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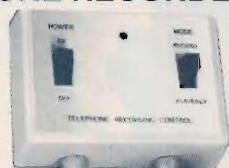
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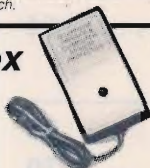
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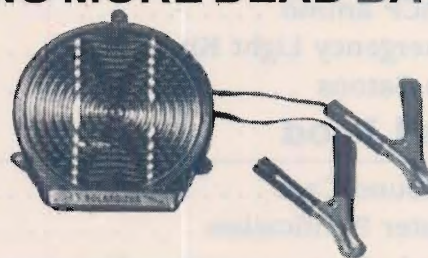
### For Car & Truck



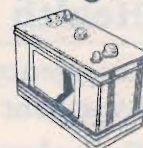
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# AMERICAN SURVIVAL

## The Magazine of Self Reliance

### GUIDE

JANUARY 1992 VOLUME 14 NUMBER 1

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The M-950 Pistol and M-951 Tactical Carbine, part of Calico's line of semiautomatic and select-fire firearms. See page 24 (Photo by Scott Stoddard). Insets: 4WD Survival. See page 26. Emergency suturing. See page 28.

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Survivors Marvel at Twists of Fate,  
Acts of Heroism That Spared Them

## TO THE POINT

*The Killeen, Texas, massacre: Why did it happen?  
Would banning guns have prevented it?...*

**23 Shot Dead at  
Texas Cafeteria**

Massacre topped Army town's gulf-war toll

**Gunman kills 22 in Texas;  
women were prime targets**

Three days after Texas bloodbath, dead being laid to rest

Survivors Marvel at Twists of Fate,  
Acts of Heroism That Spared Them

**T**HE issue of gun control" was the title of the reader's letter to the editor on the opinion pages of my local newspaper.

"How tragic," the letter began. "On Oct. 17, newspaper headlines are dominated by the terrible news of the mass murders in Texas resulting from George Hennard's rampage. On the next day, headlines inform us that the House of Representatives has rejected a ban on semiautomatic weapons. Where's the logic? Considering the proliferation of gang activity and drive-by shootings that saturate the news, the real tragedy may be that our political leaders continue to ignore the necessity for some form of gun control legislation."

Why of course! Where's the logic? "Some form of gun control legislation" will prevent tragedies like the Oct. 16, 1991 Killeen, Texas, massacre in which an obviously deranged 35-year-old former merchant marine named George Hennard smashed his pickup truck through the front window of a crowded cafeteria and leapt out shooting with two semiautomatic 9 millimeter pistols, a Glock and a Ruger with several extra magazines and lots of ammunition, killing 23 people (including one who died later from

wounds received at the scene) and wounding about that many before shooting it out with police and killing himself with his last shot.

Unfortunately, this "logic" is about as illogical as you can get. There is absolutely no evidence indicating that such terrible tragedies — and we can expect more of them for reasons I'll discuss in a moment — would be prevented by banning guns. But, as someone said to me recently, don't confuse the gun control fanatics with the facts. Their "logic" holds sway in our socialist-leaning mass media and therefore is of immense propaganda value, influencing the thinking of millions.

Realistically speaking, first let's consider the facts. The House of Representatives rejected a ridiculous ban on more than a dozen types of domestically produced "assault weapons" and high capacity ammunition magazines which had been part of a proposed anti-crime bill being considered by Congress.

The weapons George Hennard used weren't even on the list of proposed banned weapons. What's more, there are more 9 mm handguns (many with large ammunition capacity) made in this country alone every year now than

any other handgun. Industry figures I've seen for 1989 show that more than 400,000 9 mm handguns were produced in that year in the U.S., and those figures do not include all the "wonder-nines" produced in foreign countries and sold in the U.S. for the same year. It's safe to say that there are probably millions of 9 mm semiautomatic handguns — most of them high capacity — in civilian hands in this country and the number is growing every year.

There likewise have got to be many more millions of high capacity magazines for these guns out there in public hands. Even if these were banned, how would you get all of them away from people? Not only that, but they can easily be made in homes and makeshift metal shops. Needless to say, the criminals and crazies will get theirs, although some may be inconvenienced getting these weapons and magazines with some type of massive ban imposed on them by the politicians.

I strongly believe that the media actually contributes to these mass killings. We are a nation of some 250 million people and there are going to be some angry, deranged people out there. Any such person need only pick up a newspaper or turn on their TV or radio to see all the attention a mass killing will get. How many movies have you seen in which a vehicle is driven through a large window of some sort of building?

There is plenty of evidence that the mass killers of recent years know about the similar acts of those killers who committed massacres before them. Take California's Patrick Purdy, for instance. In 1989 Purdy, with a long history of crime and mental illness, walked unopposed onto a school yard in Stockton, California and opened fire with a semiautomatic AK rifle, killing several children and wounding some 30 others. Purdy had told mental health and law enforcement people dealing with him for years that he intended to do something like this. He told mental health workers that he admired a U.S. Postal Service worker who in 1986 killed 14 people at an



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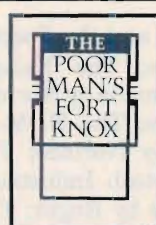


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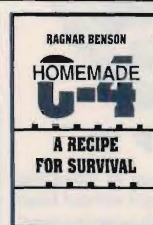
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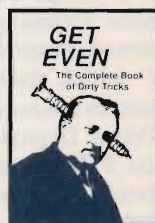
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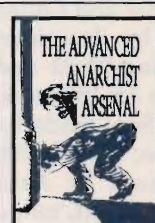
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### HOMEMADE C-4 A Closer Look

C-4 is more powerful than TNT or dynamite, very stable and, alas, highly illegal - as readers of the best-selling book *Homemade C-4: A Recipe for Survival* know. But readers - and now viewers of this video update - also know that C-4 can be made at home with just three common ingredients and no special equipment or training. See C-4 blow up cars and penetrate steel. For information purposes only. Color, approx. 25 min., VHS only. **\$24.95**



### THE ADVANCED ANARCHIST ARSENAL Recipes for Improvised Incendiaries and Explosives by David Harber

From EOD specialist David Harber comes a bumper crop of new and unusual incendiary and explosive concoctions. Get detailed instructions for gelled nitromethane, ANFO, nipolit, plus exotic weapons used by terrorists worldwide. For information purposes only. 5 1/2 x 8 1/2, softcover, illus., 96 pp. **\$15.00**



### NEW ID How to Create a Complete New Identity

If your life is taking a turn for the worse, it may be time for you to start over with a clean slate. *New ID* shows you how to cover up past credit, employment, health, marital or legal problems and face the future with a new past. Find out how to use alternate IDs to travel overseas, end custody disputes, escape harassment and more. Color, approx. 35 min., VHS only. **\$34.95**



### HOMEMADE GRENADE LAUNCHERS Constructing the Ultimate Hobby Weapon by Ragnar Benson

Let Uncle Ragnar walk you through these simple step-by-step plans for making an M79 or M203 in your own workshop! All it takes is ordinary tools and some pipe, washers, nuts and bolts. Reloading info for 40mm ammo and BATF guidelines are included. For information purposes only. 8 1/2 x 11, softcover, photos, 144 pp. **\$16.00**



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BY ANONYMOUS

### NEW I.D. IN AMERICA by Anonymous

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## SURVIVAL LINE

*Huge list of banned weapons subject to confiscation issued by New York City police, consumer credit reports become available, most dangerous time to drive a vehicle. . .*

**I**N the November 1991 edition of ASG, Survival Line reported that the New York City Council has passed the nation's toughest law against so-called assault rifles. The law allows police to confiscate legally registered assault rifles from their owners without any compensation being paid to the gun owner. It also allows the police commissioner to designate virtually any currently legally owned weapon as an "assault weapon" which then makes the weapon subject to seizure.

The New York City Police Department has now issued the FIRST list of weapons that it intends to ban.

The guns on the FIRST list are as follows: The Calico M-900 and Calico M-100 carbines made by American Industries; The Lightning 25-22 and AP-74 made by AMT; The AR-180 made by Armalite; The .223 SAC made by Austrian Automatic Arms; The M-1-SA and the 1927-A1-SA made by Auto Ordinance; The Light 50 82-AL made by Barrett Firearms; The AR70 and BM59 made by Beretta; The Assault Rifle made by Bushmaster Firearms; The SR-88 made by Chartered Firearms Industries; The AR-15 made by Colt; The MAX-2, MAX-2, K1A1, K2, USAS-12 made by Daewoo Industries; The C90, C100, and C450 made by Dmax Industries; The MK-IV carbine made by Encom; The FN-FAL, FN-LAR, FN-FNC made by Fabrique Nationale; The MAS223 made by Famas; The AT-9 carbine and the AT-22 carbine made by Feather Industries; The XC-450 carbine, XC-220, and XC-900 made by Federal Engineering; The SPAS-12, and LAW-12 shotguns made by Franchi; The GC high tech Carbine made by the Goncz Company; The HK-91, HK-93, HK-94, PSG-1, and G3-SA made by Heckler and Koch; The Uzi carbine, mini-Uzi carbine, Galil-Arm, Galil-AR, Galil-SAR, and the Galil-Sniper made by Israeli Military Industries; The PM-30 Paratrooper made by Iver Johnson; The AP-74,

AP-84, AP-80, AP-85, and the Spectre from Mitchell Arms; The Kalashnikov semiautomatic made by Norinco and Hungarian Arms; The NDM-86 Sniper Rifle made by Norinco; The M-14S made by Polytech Industries; The Mini-14/5F made by Ruger; The 57-AMT, PE-57, SG550SP, and SG-551SP made by Sigarms; The L1A1A made by the Small Arms Factory, Australia; The BM-59, SAR-48, SAR-588, SAR-3 and the M-1A made by Springfield Armory; The MK-6 made by Sterling; The AUG-SA made by Steyr Daimler-Pusch; The MK-76-SA and the M-78-SA made by Valmet Corporation; The Nighthawk made by Weaver Arms Corporation.

**Credit Check** — A bad credit report can cost you a loan or a job, even if the information in that report is mistaken. Recently the big three credit reporting companies, TRW, Trans Union Corporation, and Equifax, have come under fire from public interest groups and Congress, over the accuracy of the information they maintain in their files.

In response to growing pressure, one of the big-three credit reporting companies, TRW, has announced that starting in 1992 it will, upon request, provide consumers one free copy of their credit report. The company estimates that this service will cost it some \$26 million a year.

**Driving Dangers** — According to a statistical study made by mathematics professor Sherman Stein of the University of California at Davis, the most dangerous period in which to drive a motor vehicle is between midnight and 3 a.m. During that period you are 13 times more likely to have a fatal auto accident than you are between 6 a.m. and 6 p.m. The single most dangerous hour in which to drive is 2 a.m. to 3 a.m. when your chance of a fatal accident is 22 times higher than average. ●



# Professional Locksmithing Tools

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## PIX MODEL 13

This deluxe yet compact kit features 11 of the most commonly used tools. Comes in a slim cowhide leather case for discreet undercover operatives. As a special bonus, a 5 piece set of **warded picks** is included. A 16 piece set total. Also included, a copy of "Lockpicking Simplified." Receive all this at a Low price of: Pix 13 \$42.95



## PIX-QUICK MODEL A

These high quality picks feature new lighter non-breakable plastic color coded handles. Picks are of .022 blue spring steel... hardened to perfection. Eight piece set comes with handy see-through case with two extra pockets and a copy of "Lockpicking Simplified." Model A \$22.95



## PIX-QUICK MODEL B

Same color coded set as Model A. Only with deluxe 13 pieces. Price includes tension wrench and book. Model B \$29.95

## PIX-EZ All-In-One Pick-Set

100% American Made! As convenient to carry and use as a pocket knife! Only 4 inches long, half inch square, weighs under five ounces, works fast and opens pin and watter tumbler locks quickly, with very little effort. Six tempered spring steel picks, tension wrench. \$34.95



## WKS PICKS

Made of the finest blue tempered spring steel this 5 piece padlock pick-set is a must in every locksmith's tool box. This set will pick open most every warded padlock made today. \$9.95



Lockpicking Simplified	\$7.00
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**NEW ITEMS**



## ESP-13

This handy new pick set is the most popular set among professional locksmiths today. This kit consists of 12 different tools housed in a handsome black leather case designed for a shirt pocket. Included in the price, you receive a 5 piece warded key set and a copy of "Lockpicking Simplified." 17 piece set total. ESP-13 \$45.95



## KEY RING PICK SET



This unique design is ideal when low profile is required or to keep on your keyring for emergencies. Contains a tension wrench, three picks and the "Key Pick." Key Ring Pick Set \$27.95

## DOUBLE SIDED DISK TUMBLER PICKS

Set of 4 picks designed to be used on the most popular double-sided disc tumbler, showcase, cam and padlocks. \$27.95



## MINI PICK TUBULAR

The most effective tubular pick on the market, unlike the larger picks with long handles or screwdriver handles. The longer the tool, the more pressure needed which causes easy breakage. The advantage of the Mini Pick is it is so short, you only use your thumb and index finger. With a little practice this tool will open a tubular lock in less than a minute. A. Your Choice: (1) Center (2) Offset left (3) Offset right; B. "Segal" 8 pin tubular; C. 5-pin Tubular; D. 6-pin Tubular; E. 8-Pin Ace. \$69.95

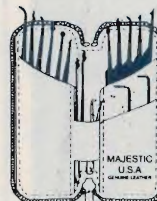
## SESAMEE DECODER

This tool was designed to decode the exact combination of a sesame padlock without damaging the lock. Detailed instruction included. \$17.95



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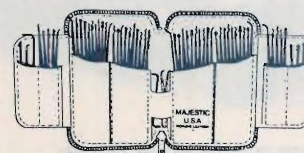
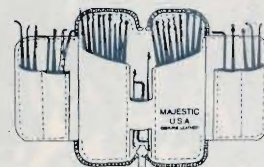


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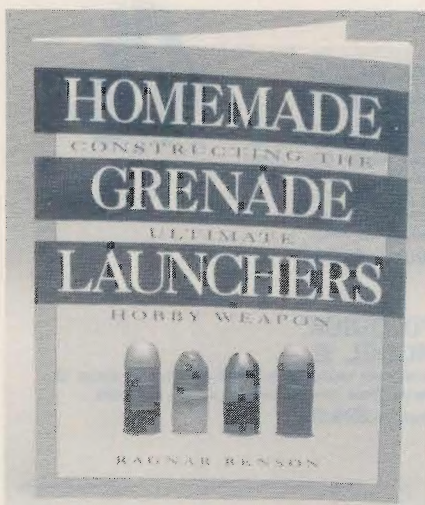
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Forest Service and your State Forester.

## BOOKS/VIDEOS



**Homemade Grenade Launchers**, Constructing the Ultimate Hobby Weapon, by Ragnar Benson. Paladin Press, P.O. Box 1307, Dept. ASG, Boulder, CO 80306; (800) 392-2400 or (303) 443-7250. Softcover, 144 pages. \$16 plus shipping and handling.

Here comes Uncle Ragnar with the ultimate in firepower one-upmanship — homemade 40mm grenade launchers! For information purposes only, Ragnar Benson explains simple step-by-step plans for building an M79 or M203 in a modest workshop. With ordinary tools and nothing more exotic than pipe, washers, nuts and bolts, it's possible, with required permits, to produce a homemade grenade launcher. Ragnar also shows how to reload spent 40mm cases as well as how to improvise your own grenades from common materials found at the hardware store. Complete BATF guidelines are included. We emphasize, this book is for information purposes only.



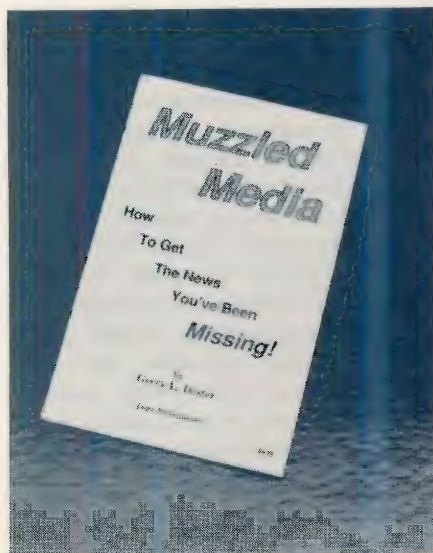
**Called to Serve**, Profiles in Conspiracy from John F. Kennedy to George Bush, by James "Bo" Gritz (America's most decorated Green Beret commander). Center For Action, Box 472 HCR 31, Dept. ASG, Sandy Valley, NV 89019; (702) 723-5266, or fax (702) 723-5357. Hardcover, 650 pages. \$24.95 plus \$4 shipping and handling.

"This is the definitive account of a nation betrayed. A spider web of 'patriots for profit,' operating from the highest positions of special trust and confidence, have successfully circumvented our constitutional system in pursuit of a New World Order. They have infused America with drugs in order to fund covert operations while sealing the fate of our servicemen left in Communist prisons. Hiding behind a mask of official righteousness, this secret combination seeks to impose its own concept of geopolitical navigation, nullifying liberty as the hard-won birthright of all Americans. At a time when the Constitution hangs by a thread, America has witnessed the prostitution of our appointed guardians for power and profit. Before a nation can act to regain its footing, the people must know what has happened, who caused it, and why." Bo Gritz served in Vietnam as a Special Forces commander and after the war led rescue missions to find and bring back our POWs. He contends these missions were sabotaged by the U.S. government. He has personally met General Khun Sa, the drug overlord of Burma's Golden Triangle and says he has video tape evidence of Khun Sa naming names of high U.S. government officials involved in heroin narcotics trafficking. A true survivalist, Bo Gritz is one of the few who really knows true guerrilla fighting techniques. He thoroughly supports the Constitution, and adamantly opposes the proponents of the New World Order and their subversion of constitutional principles.

**Muzzled Media**, How to Get the News You've Been Missing!, by Gerry L. Dexter. Tiare Publications, P.O. Box 493, Dept. ASG, Lake Geneva, WI 53147. Softcover, 96 pages. \$8.95 plus shipping.

Dan Rather doesn't tell it all. And all the news that's fit to print... isn't! **Muzzled Media** shows you how to step





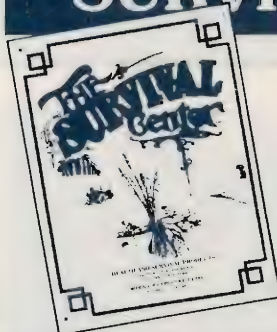
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**Military Knife Fighting**, by Robert K. Spear. Universal Force Dynamics, 410 Delaware, Dept. ASG, Leavenworth, KS 66048; (913) 682-6518. Softcover, 126 pages. \$9.95 plus \$3 shipping.

(Continued on page 43)

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### Primitive Outdoor Skills More Wilderness Techniques from Woodsmoke Journal Compiled by Richard L. Jamison

True security and enjoyment in the out-of-doors comes from knowing you can provide for your basic needs in any situation. This book, written and illustrated by 10 of the best-known authors in the field, provides information on survival skills and how to live off the land. Ways to satisfy basic needs are explained in intriguing articles such as "the sweat lodge," "101 uses of the snakebag," "primitive comfort," "the hot draft bed," "sagebrush, the ancient survival kit," "bulrush weaving," etc. All aspects of primitive outdoor skills are clearly described with over 100 professional photographs. **Price \$14.95**



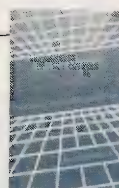
### Skills for Survival How Families Can Prepare Esther Dickey

This innovative book presents new insights for survival, self-sufficient living, gardening and cooking in a bright, highly-readable style. Organized into 3 specific sections on home management, home gardening, and foods, this guide provides useful information on organizing the home and family into a more efficient unit, emergency preparedness, and constructing emergency equipment and conveniences. It also imparts guidance on the best ways to plant a home garden in order to harvest the best yield. Another section continues with extensive information on the nutritive values of many foods, new techniques of food preparation and preservation, and includes many tasty recipes based on emergency foods. **Price \$15.95**



### Beginners Guide to Family Preparedness Rosalie Mason

Recent world events have made many families decide this will be the year they prepare food storage and other emergency necessities. This book is the perfect start to those important plans. It's an easy guide that explains the "how to's" of starting, maintaining and sustaining a food storage program that will fit every family's needs. **Price \$10.95**



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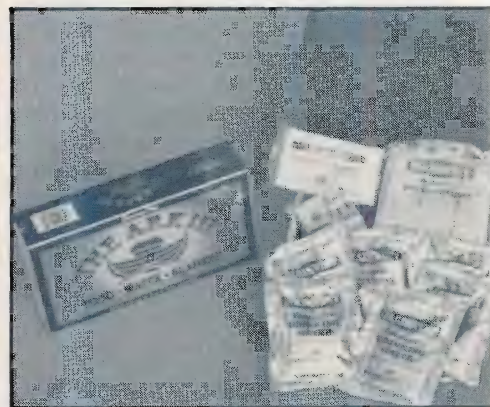
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## 72 Hour Survivor-Pak

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Steel, the knife company that has developed and produced some exceptionally fine production knives designed for survival, combat and field use. The Special Projects catalog contains knives with limited production runs, variations on popular designs and closeouts of regular Cold Steel offerings. There are even copies of knives that have been recently used in the movies such as "Flight of the Intruder." Also available are heavy duty throwing knives, ring daggers, spearheads and other martial hardware. These items are only available by mail through the Special Projects catalog. For more information contact Special Projects at (800) 255-4922. For your nearest Cold Steel dealer call (800) 255-4716 or in California (800) 624-2363.



crans Ave., Dept. ASG, Santa Fe Springs, CA 90670; (800) 866-4876 or (213) 802-0099.

cess for "hot weapon" storage. Security Vault Systems (4206-A Sorrento Valley Blvd., Dept. ASG, San Diego, CA 92121; 619-450-9001; fax 619-450-9034) has introduced a complete line electronic battery powered Wall Vaults, mounted in the wall at eye level between wood or metal studs, for quick access of handguns, rifles or shotguns. In a matter of seconds the gun owner activates the electronic keypad with a personal secret four-digit code, opens the door and has a loaded weapon in hand.

The off-white exterior is an electrostatic textured finish designed to resist chipping and scratching. The safes are installed in virtually any wall with

simple tools in about 20 minutes and can be mounted in almost any location in a home or business. Access is limited to the owner only. Three wrong keypad code entries cause a lockout. The system operates on simple four AA batteries for at least two years. Should the system power down, an emergency external powerpack plugs into the keypad for entry and battery replacement. Suggested retail prices are \$539.95 for the large Model 625 KP (18" wide by 60" high by 7" deep); \$429.95 for Model 525 KP (18" by 24" by 7"); and \$379.95 for Model 425 KP (18" by 14" by 7"). Security Vault Systems welcomes dealer inquiries. Call 1-800-275-9001.



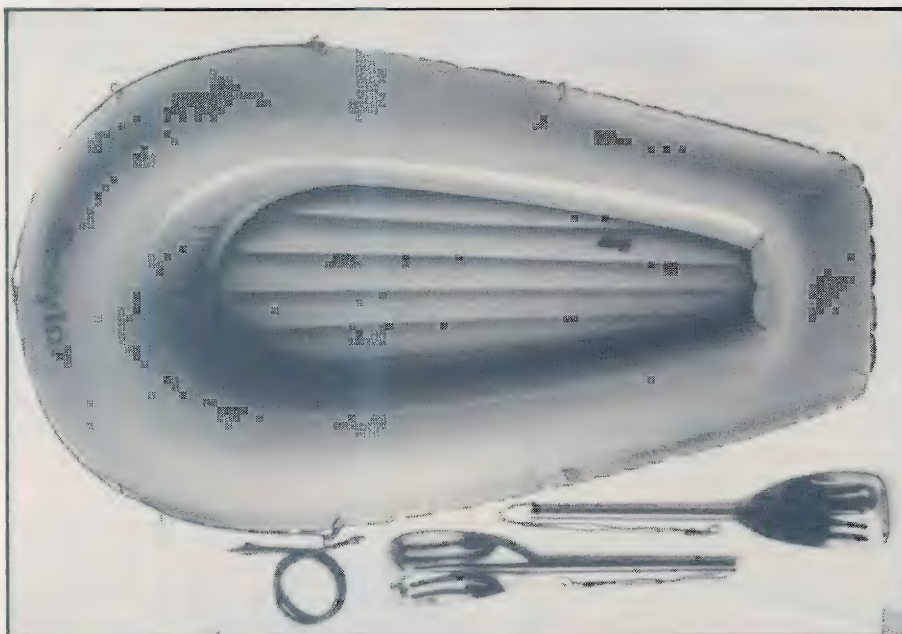


### High-Tech Indoor Climate Monitor

Advanced microprocessors in the Perception II give you sophisticated features not found in traditional climate monitor models. Not only do you have readings for barometric pressure, temperature, and humidity, but also highs and lows, alarms, and a barometric trend arrow. These features make the Perception II an ideal tool for use in a variety of applications such as: alerting you of an approaching storm, monitoring your wine cellar, or keeping watch over your greenhouse. Other options include IBM-compatible PC interface for graphing the data collected on a computer screen. Suggested price is \$150. Davis Instruments, 3465 Diablo Ave., Dept. ASG, Hayward, CA 94545; (800) 678-3669 or (510) 732-7814.

### Trail Assault Boat

"Land to water" operations are safer and more versatile with the one-person Trail Assault Boat, available through U.S. Cavalry, and made by the makers of Zodiac marine products. The boat is lightweight, and compact enough to attach to a backpack. Inflation takes approximately five minutes and is completed via air chamber valves or with the pump bag. The three pound craft is made of PU and PVC nylon material with electronically-welded seams, grab line and D-rings. Inflated dimensions are 5'8" by 3'6", enough space for one adult weighing up to 220 pounds. The boat comes complete with pump bag, collapsible plastic paddles with cord, clips and kayak paddle converter. Color is olive drab. Retail price is \$59.95. Contact U.S. Cavalry, 2855 Centennial Avenue, Dept. ASG, Radcliff, KY; (502) 351-1164.



### COS0-200 Carbon Monoxide Alarm

Unlike most CO<sub>2</sub> alarms, this one doesn't have a solid state sensor, but rather a catalytic sensor. This sensor is specific to carbon monoxide so other hydrocarbons won't set it off. Another nice feature with this alarm is that it runs on a regular nine-volt alkaline battery just like a smoke detector. The alarm is also available in a 12-volt model with a pigtail for wiring directly into a 12-volt system. Most 12-volt

alarms will drain a 12-volt battery fairly fast, but this one won't. Whereas the solid state Figaro-type sensor uses about 300mA of juice, the catalytic sensor requires no power itself (just the little micro controller, which uses 100 micro amps). The audible alarm and lights of course require current. The unit has a one-year factory warranty and sells for \$89.95 plus \$3 shipping. Sims Marketing, 23 North Gore Ave., Suite 002, Dept. ASG, St. Louis, MO 63119-2300; (800) 548-2117.



# NEW PRODUCTS



## Leather Belt Bag Holster

Now available from KG Products are new belt bag holsters made of black, high quality leather. Available in various sizes for a wide variety of pistols, revolvers, mace canisters or stun guns. A hook and loop fastener system is used with a snap for instant access to the bag's contents. A zippered compartment is located in front for keys, wallet, etc. Prices range from \$29.95 to \$49.95 depending on the size of the bag. KG Products, P.O. Box 1555-A, Dept. ASG, Inyokern, CA 93527; (619) 377-3292.

## Receiver Band Pass Filter

Optoelectronics Inc. announces a new receiver bandpass filter, the Model APS-204, that separates closely spaced radio signals. The unit passes desired frequencies and eliminates interfering frequencies. It has a constant 4 MHz bandwidth and continuous electronic tuning from 20 MHz to 1,000 MHz. The filter is useful in dense urban areas, in military operations, and other situations where many radio transmitters must operate in close proximity. It works as an active preselector, isolating desired signals and passing them on to the protected receiver, while rejecting all others. The unit operates on 12 volt DC and consumes just six watts. Suggested price is \$995. Optoelectronics Inc., 5821 NE 14th Avenue, Dept. ASG, Ft. Lauderdale, FL 33334; (800) 327-5912 or (305) 771-2050.



## SOE/OSS Lapel and Thumb Daggers

The Ek Commando Knife Company and H.G. Long & Co. are proud to announce the re-introduction of the SOE/OSS Thumb Dagger and Lapel Dagger of World War II fame. These miniature daggers are right out of the pages of James Bond. And the reproductions are true to the originals. The high-quality stainless steel blades are of the diamond cross-section design, with gripping grooves for the thumb and forefinger filed into the hilt area.

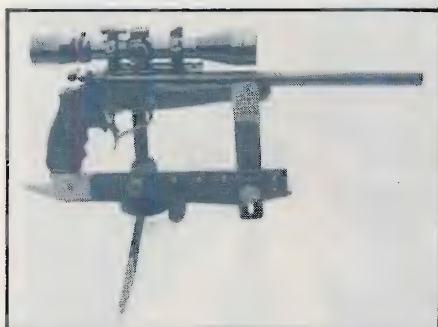
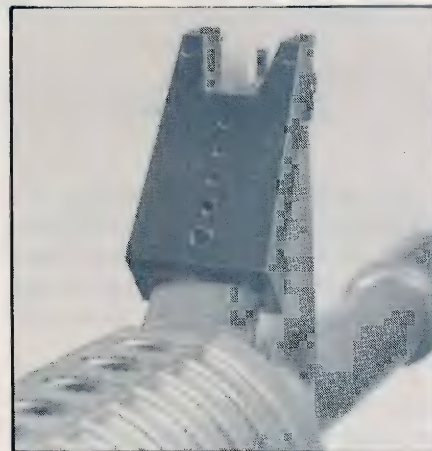
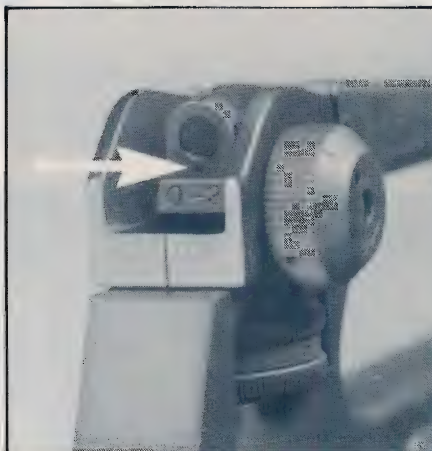
The Lapel Dagger (\$59) is 5½ inches long; the Thumb Dagger (\$49) is 3¼ inches long. As these daggers were originally designed to be sewn behind the coat lapel and into clothing seams, each automatically comes with a reproduction of the original leather sheath with special holes to make threading them into clothing easier. For more information contact: Ek Commando Knife Company, 601 North Lombardy Street, Dept. ASG, Richmond, VA 23220; (800) 468-5575.





### Colt Tritium Night Sight

The Colt Tritium Night Sight consists of two components. The first is a small fixture, which attaches to the front sight housing, featuring a series of inset luminous dots. The second is a luminous dot inset into the rear sight aperture at the 6 o'clock position. By quickly aligning the rear dot with the front dots, the marksman can successfully engage any visible target at ranges up to and exceeding 300 yards. For more information contact: Colt's Manufacturing Company, Inc., P.O. Box 1868, Dept. ASG, Hartford, CT 06144-1868; (203) 263-6311.



### Rifle and Handgun Rest

Designed by hunters and shooters, a simple yet very effective rifle/pistol rest is available that will help you adjust a rear sight or scope on any pistol or rifle. The rest has three main parts: a tripod, and adjustable arm and a Y-post. The rest provides for the move-

ment of recoil and can be easily adjusted back to zero position. This actually helps in accuracy where as a rigid rest tends to string shots since the butt can not naturally move in recoil. The Combination Rifle/Pistol rest sells for \$109.95. Contact: M.D. Sports, Inc., 604 Seventh Street, Dept. ASG, Trafford, PA 15085; (412) 856-7517.

### Door Scope

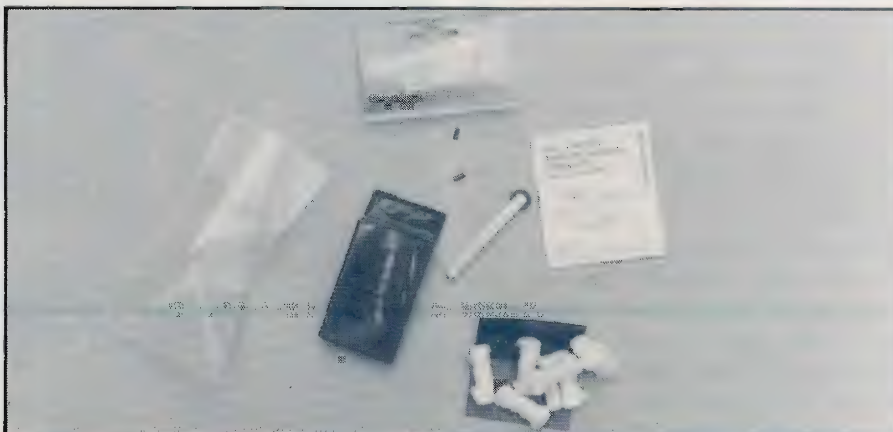
Door Scope is a new device designed to replace the peephole. It projects a true image of visitors outside from a distance of seven feet — inside the safety of your home or office. Ideal for

the visually impaired, people in wheelchairs, children or anyone having difficulty using a conventional peephole. The two-inch diameter inside lens provides a 132 degree view of people and activity outside your entire door area. Door Scope installs in minutes using simple tools. It is available in several colors: charcoal, light brown, silver grey, or custom painted. Solid polished aluminum or bronze anodized models are also available. \$44.95 plus \$2 shipping. Vanguard Products, P.O. Box 30602, Dept. ASG, Walnut Creek, CA 94598; (415) 937-0100.



### Spark Lite Waterproof Fire Starter

Specially developed for the U.S. military to quickly start a fire in most any weather condition. By far the smallest, most compact and effective fire starter available. Special brass flint starter will start 1,000 fires and can be struck with just one hand (critical in freezing temperatures). Also includes 10 Tinder Quick fire tablets, 2 spare flints and water proof instruction sheet. Design allows starter and several tablets to fit inside hollow handle survival knives. Makes an excellent back-up to regular matches. Each tablet will burn for approximately two minutes each. \$5.95. NITRO-PAK Home Preparedness Center, 13309 Rosecrans Ave., Dept. ASG, Santa Fe Springs, CA 90670; (213) 802-0099 or (800) 866-4876.





# The Ten Essentials

By Scott Stoddard

*These bare minimum items can't be improvised from material found on the forest floor. . .*

**"D**ON'T leave home without it." But what good will a green plastic credit card do you 20 miles from the nearest paved road? What do you really need when out away from civilization?

Experienced outdoor enthusiasts know what items are most important to bring — even for short walks or hikes out of base camp. The "10 Essentials" are items that cannot be improvised from materials lying on the forest floor. To be found without these few items, even only a few miles from camp or cabin, can spell disaster.

The standard list of 10 essentials varies slightly depending on which source you go to. The Boy Scouts have their list, the Sierra Club has another, and the Mountaineers in their outdoor bible, *Mountaineering: The Freedom of the Hills*, have come up with another variation. They all incorporate the same basic items.

The following list is not to be considered cast in concrete — each survivalist should customize his or her own kit for the barest minimum of supplies. Note that the first three items are for finding your way, the second three are for your protection, and the last four are for emergencies.

1. A **MAP** of the area you will be hiking, canoeing, or camping should be detailed enough so that you can find man-made items like trails, unimproved roads, power lines, etc., and natural features such as rivers, streams, hills and other terrain landmarks that will guide you. A U.S. Geological Survey Topographical map has all of these features and more. For an index to topo maps in your home state contact: U.S. Geological Survey, Map Distribution Section, Federal Center, Box 25286, Denver, CO 80225; (303) 236-7477. A 365 page book titled, *The Map Catalog*, (Every kind of map and chart on Earth and even some above it), is available from: High Country Enterprise, P.O. Box 746, Saguache, CO 81149; (719) 655-2432.

2. A map without a **COMPASS** is



Carry your 10 essentials no matter where you go. This canoe paddler has his gear stowed in a life vest. That way if he gets separated from the boat he still has his survival supplies.

almost useless unless you possess a sixth sense in direction finding. I prefer the liquid filled "Silva" or "Suunto" compasses. These have straight edges that are useful in plotting bearings. Military lensatic compasses are more bulky and don't have a clear base making map reading through the compass impossible. With both map and com-

pass you should be able to "orient" the map by lining up magnetic north on the compass with the magnetic north arrow printed on the map. Once you do this, you'll be able to identify terrain features and plot your course.



Backpackers will be carrying a lot more than just the 10 essentials. However, small hikes from basecamp still require a day pack filled with a 10 essential kit.



3. Be sure that the **FLASHLIGHT** you bring doesn't have a switch that is easily turned on and off. You may find that it has been accidentally on all day, and when you need it the batteries will be already worn out. In that case don't put the batteries inside the unit until you are required to use it. Even if you have the most advanced, waterproof machined aluminum light source, bring a spare bulb and spare alkaline batteries just in case. A Mini-Mag Lite will fit in the smallest of 10 essential kits but may not be adequate for all-night travel. Headlamps are useful for cave exploring and when the hands are otherwise occupied.

4. On one trip to the top of an 11,000 foot peak I forgot my **SUNGLASSES** and I nearly went snow-blind. After tiring of looking through my balled-up fists I finally had to cut slits in some cardboard and jury-rig some Eskimo sunglasses. Sunglasses are available today that stop 99 percent of ultraviolet light. Polycarbonate lenses with "wraparound" designs provide more protection against wind and side glare. Glacier glasses are recommended for snowy conditions. They usually have polarized lenses and leather side shields to block out the side glare. Buy some retaining straps when you purchase your sunglasses. Croakies or Chums cost less than \$5 and will prevent damage or loss of your expensive eyewear. Add some sunscreen to your kit for total solar protection.

5. **EXTRA FOOD and WATER.** This category puzzles me a bit. Does it mean that I should have two water bottles filled with water and two bags



Everything in this essential kit will fit in the waist pack except for the water bottle.

of trail mix? The amount of water you bring should be determined by the length of the trip and the temperature and physical demand put on your body. Water should be used as needed and not rationed out, (i.e., a few ounces now and no more for another hour). If your body needs water, it needs it now — not three hours from now! Water purification tablets might help you use other water sources. As far as food, some hikers throw cans of sardines or tuna fish into their packs knowing that they wouldn't eat it unless there was an emergency. Normal trail foods (dried fruits, nuts, and granola) should be eaten at regular intervals to resupply the body with energy. Pemmican is one of the most concentrated high energy foods you can carry. See the Oct. 1991 ASG issue on page 57 for directions on its preparation.

6. Once again, the **EXTRA CLOTHING** you bring is determined by the time of the year and the weather. A breezy summer hike may require only a poncho for rain protection and a light nylon wind jammer for possible cold. A day snow hike gets more complicated. An extra jacket or sweater may do, but if you will be in extreme mountain conditions, a bivouac sack, insulation pad, and a winter sleeping bag may be the only thing that will save you should the weather go bad. In normal conditions you should at least throw a metalized space blanket **into your kit.** This with a poncho can be used to rig up an improvised lean-to shelter. Tape the space blanket to the poncho for support, tie the poncho to trees to form a lean-to and then build

a fire in front. The space blanket will reflect the heat of the fire back on to you.

7. Expensive **WATERPROOFED MATCHES** have always seemed a little too gimmicky for my taste. Strike-anywhere wood matches are a lot cheaper and can be stored in a waterproof container such as an empty plastic 35mm film can. If they're too long, just clip off the ends to the right length. A more convenient item for starting fires can be found at your local liquor or convenience store. Throw-away plastic cigarette lighters work well and some have adjustable flames in case you need "blow torch" action. Other fire sparkers such as the flint/magnesium bars on keychains are good back-ups should you lose your matches or lighter.

8. **FIRESTARTERS.** In this category you can include a regular paraffin candle (store inside a plastic bag so it doesn't melt in your pack), commercial firestarter tablets, Sterno, or my favorite — Hexamine tablets that are available at most Army/Navy surplus stores. Hexamine tablets won't evaporate like Trioxane Fuel Bars do when the wrapper is ripped, and come six tablets to a small cardboard tube.

A firestarter is used only when conditions make it difficult to start a fire. Preparation is the key to fire building. You need plenty of kindling sticks or pieces of wood split thin with your knife to make the larger diameter



You need more than just a waist pack to carry your essentials. Weather may affect the amount of extra clothing that would be appropriate to carry.



# The Ten Essentials

branches catch. Most people begin their fires with inadequate supplies of tinder and kindling and are frustrated when they can't get a three inch thick log to catch fire.

9. A **POCKET KNIFE** is your most important 10 essentials item. Among other things it helps in first aid, food preparation, and firebuilding. As long as you have a knife you can make fire. Striking steel on any flint-like rock will produce sparks that can catch fire in carefully prepared tinder and kindling — materials you have gathered and prepared using the knife. More elaborate versions of pocket knives contain a treasure chest of useful tools: saws, tweezers, scissors, screwdrivers, awls, toothpicks, can openers, etc. A good Swiss Army knife will bring out the MacGyver in all of us. Don't forget this item!

10. A **FIRST AID KIT** really isn't one item but a collection of items that can contain the bare minimum of band-aids, aspirin, and iodine or on the other extreme contain suture kits, chemically activated cold packs and prescription drugs. This is where you will have to really do some customizing and personalizing. I store my first aid items in a plastic Zip Loc bag so that I can see everything inside and protect them from the weather. Along with an assortment of band-aids, gauze pads, and Steri-Strips, are the following: insect repellent, sunscreen, lip balm with SPF 21, triple antibiotic ointment, small bottle of Hibiclens Surgical Scrub, Aspirin, Diasorb tablets for diarrhea, Actifed (deconges-



When participating in hazardous sports, a beefed-up first aid kit would be a wise thing to bring.

tant), Bonine (motion sickness), and Benadryl (antihistamine). Other items that are helpful are: a needle for splinter extraction, moleskin or Spenco Second Skin for blisters, Ace bandage, small needle-nose pliers, single-edge razor blades, and Calamine cream for insect bites.

The "11th" item of the 10 essentials most people carry is toilet paper. Other "essentials" I bring include: an Air Force type signal mirror, 50 feet of parachute cord, mini-Leatherman tool, and plastic fluorescent marking tape for trail marking. You might want to

A typical 10 essential kit will always be customized to meet the individual needs of each hiker. Many would consider toilet paper the 11th essential.

add a pocket signal flare and other items such as a smoke generator for signalling.

Your 10 essentials kit can be packaged in a number of ways. The most convenient is a small day pack. Day packs will hold your water bottle, extra clothing and food for most day-time trips. Get one made out of Cordura nylon with padded straps.

For extensive mountain bike rides many cyclists like to use waist packs or fanny packs to store their emergency gear and a banana or two. A waist pack is generally cooler to wear and provides for a lower center of gravity. Water is normally carried on the frame of the bicycle, so the packs can be smaller and lighter.

The last essential that needs to be taken on all your trips into the wilderness won't fit in a survival kit. It's called common sense and is a prime commodity in both the city and in the outdoors. If it looks like rain — don't go. If it looks too high — stay back. If it's getting dark — get back to your base. By avoiding unnecessary problems and dangers you will save on your own personal wear and tear, and probably get back home in one piece. However, if something does come up, at least you know you've got those 10 important items stowed away in your rucksack. ●





# M1 Garand Compensator

Western Ordnance:

*Simple screw-on steel compensator installs in minutes and reduces muzzle climb, perceived recoil...*



The compensator is made of parkerized solid steel bar stock.



The M1 Garand Tanker in 7.62 NATO caliber is fired without and with the Western Ordnance Compensator.



Installation takes about 3 minutes.

## Staff Evaluation

**I**F you own an M1 Garand you are aware of the strong recoil these rifles can generate.

Western Ordnance, a firm which specializes in high quality after market accessories for guns and custom rebuilt firearms, has developed a new compensator for these rifles which installs quickly with only a wide blade flathead screwdriver and can significantly tame the strong kick and muzzle rise generated by firing these big guns. Similar compensators are also available for the AR-15/M16, Galils (both calibers), AR-180, Dae Woo and AK-47 rifles as well as custom made compensators for such rifles as the Mini-14. We tried out one of the M1 Garand compensators sent to us by Western Ordnance on our test Federal Ordnance Tanker Garand in 7.62 NATO caliber which we reviewed in this issue

(see page 48).

The compensator is a 2½-inch-long cylinder made of solid steel bar stock and parkerized. It has six small holes on top and two more, behind the first six on top, which face toward the muzzle. It's designed to aid in rapid target re-acquisition without altering the rifle.

All that's needed to install the compensator is a wide blade flathead screwdriver. You might also want a bore brush to clean the threads of the gas cylinder and around the muzzle which the compensator fits onto.

To install you unscrew the gas cylinder lock screw and remove gas cylinder lock and clean off the threading if needed. Then the compensator is screwed onto the barrel and the gas cylinder lock screw is tightened down to hold it in place. That's all there is to it.

The smaller, lighter Tanker Garand model has considerable recoil and muz-

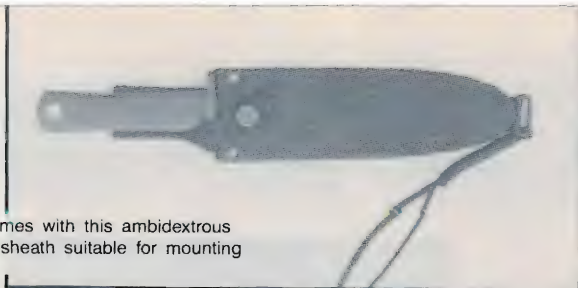
zle climb in either 7.62 NATO (.308 Win.) or 30.06 calibers. After firing it without the compensator, we then installed the compensator and noticed a pronounced reduction in felt recoil and reduced muzzle flip. While there is still a fair amount of both kick and muzzle climb, it's definitely not as strong as without the compensator.

We will shortly be trying out the compensator on a reconditioned Fed Ord G.I. Garand in 30.06 caliber and will report the result. But we're satisfied this great little device works well from our test with the Tanker model.

The Western Ordnance M1 Garand Compensator is \$59.95 postpaid (dealer discounts offered). The other compensators range in price from \$25 to \$35 for custom made types. For ordering or more information contact Western Ordnance, Dept. ASG, 325 South Westwood, #1, Mesa, AZ 85210; (602) 964-1799. ●



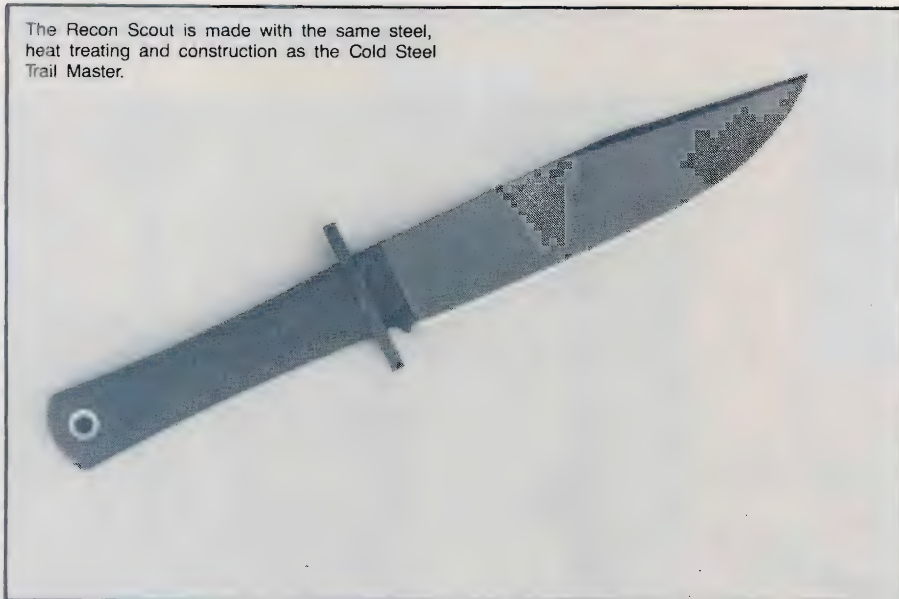
The Recon Scout comes with this ambidextrous black Cordura nylon sheath suitable for mounting on web gear.



# Recon Scout

*New combat bowie in the tradition of the Cold Steel Trail Master...*

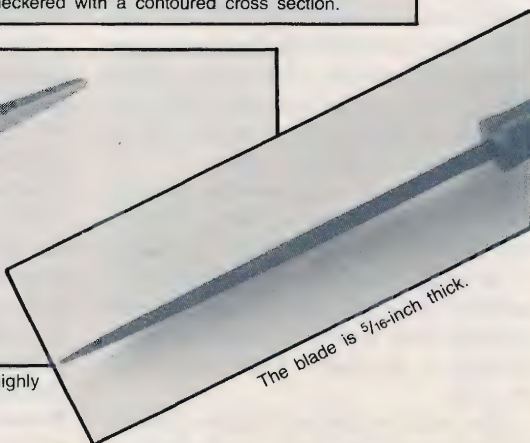
The Recon Scout is made with the same steel, heat treating and construction as the Cold Steel Trail Master.



The 5-inch handle is black Kraton rubber, deeply checkered with a contoured cross section.



The broad and needle-sharp clip point is highly resistant to bending or breaking.



The blade is 5/16-inch thick.

## Special Projects:

### Staff Report

**C**OLD Steel's Trail Master bowie knife has been a big success with knife users around the world and it stands out to this day as a classic of quality and performance.

Now Cold Steel President Lynn Thompson believes he's created the perfect combat knife: the Recon Scout. This knife is made of the same famous Cold Steel exclusive Carbon V steel, the same heat treatment and the same construction as the Trail Master, but with a handsome black, baked-on epoxy non-reflective coating and a truly razor sharp high cantled edge. This edge is designed to be very durable and easy to resharpen. Its clip point is extremely strong and designed to penetrate without breaking. The double guard is made of blackened brass rigidly fixed into place.

The Recon Scout comes with a heavy duty black Cordura nylon sheath which can be worn on a belt or on web gear.

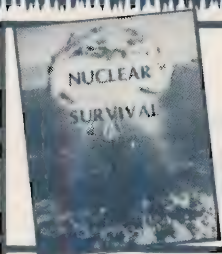
The 7-inch-long blade flat ground (for shearing power) is 5/16-inch thick. Overall length is 12½ inches. Weight is 15 ounces. Balance is about ½ inch in front of the guard for a slightly blade-heavy feel. The 5-inch-long handle is black Kraton rubber deeply checkered with a contoured cross section to prevent the knife shifting or turning in the hand.

This knife is one of the original "sterile" unmarked production run designed for the troops of Operation Desert Storm.

This knife is one of the prizes in ASG's 1992 Giveaway No. 1 contest. See pages 50 and 51 for details.

The Recon Scout is only \$129.95 each, or two for \$225, or three for \$300. Available from Special Projects, a division of Cold Steel (ask for a free catalog of other outstanding Special Projects products). Call Special Projects toll free at 800-255-4922. ●





## NUCLEAR SURVIVAL

With war presently occurring in distant countries, the necessity of Americans to survive a nuclear attack in the U.S. is now becoming very important. Be prepared, learn the effects of radiation, principles of detection and many other aspects of nuclear survival. All subjects are covered in an easy to understand, non-technical manner. Of special interest, various fallout shelter plans for both above and below ground level. 8-1/2x11 softcover, 72 pages, illustrated.

B-112.....\$9.95



### THE ANARCHIST COOKBOOK

The most controversial and sought after "how to book" available. This extensively illustrated manual contains sections on explosives, electronics and preparation of weapons at home. 1000's of copies sold since 1971. Order this classic for your unique book collection today.



### POOR MAN'S JAMES BOND

The ultimate armed civilian. Contains conversion of the AR-15, Mark 1, Mini-14 and Sten Gun. Fireworks & Explosives like Grandad used to make, Arson by electronics and making Potassium Cyanide, Fire Grenades & the ultimate booby trap. 8 1/2 x 11, 477 pages.



PMJB.....\$21.95

### GUIDE TO VIET CONG BOOBYTRAPS & EXPLOSIVE DEVICES

A concise volume that describes and illustrates nearly 50 different Viet Cong boobytraps and explosive devices. Grenades, mines, demolitions, fuses & firing devices, miscellaneous and improvised items, plus emergency handling guidance for explosive devices (detection, outdoor search and disarming methods).



B-108.....\$9.95



### RANGER TRAINING

Official training manual for the U.S. Army's Rangers. Covers operations against guerrilla action, night operations, raids, patrolling, ambush and roadblock techniques, cliff assault techniques, intelligence, hand to hand combat, physical conditioning, tactical training, demo, mines, boobytraps, ropes and knots and a history of the Rangers from Dan Morgan to Colonel Darby.

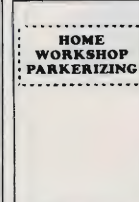
B-111.....\$8.95



### GREAT SILENCERS OF THE PAST

This fascinating collection compiles six authentic silencer catalogs from the early 1900's. Included are a list of silencers and their cost for the time period, how silencers work, first use of the "Maxim" silencer in actual war and how rifle barrels are threaded to attach silencers. This volume is both nostalgic and informative. Contains over 70 pictures.

B-109.....\$7.95



### HOME WORKSHOP PARKERIZING

Parkerizing is the procedure to make an old gun or rifle look like new again. There are step-by-step detailed instructions on removing the old finish and replacing it with a durable rustproof surface. Also included is a list of suppliers for Parkerizing chemicals. The technique is inexpensive and relatively easy to perform. Learn the "Secret" of Parkerizing.

B-106.....\$6.95

### TWO COMPONENT HIGH EXPLOSIVE MIXTURES

Research at Frankford Arsenal produced extremely powerful, yet easily made explosives by combining two compounds which separately were safe to handle. Astrolite A-15, the world's most powerful non-nuclear explosive is a result of these test and is covered in this 28 page, softcover, illustrated book.



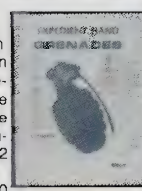
251.....\$6.95

### EXPEDIENT HAND GRENADES

by G. Dmitrieff

A comprehensive guide to the design and construction of both fragmentation and incendiary grenades. Types of grenades, their components and effective ranges are all clearly covered by the author, a professional ordnance designer. 8-1/2x11, softcover, illustrated, 72 pages.

FP-5.....\$10.00



### EXPLOSIVES AND PROPELLANTS

From Commonly Available Materials

This book has in-depth coverage of: Manufacturing black powder from field grade potassium nitrate, improvised primary high explosives, optimised procedure for field manufacture of improvised detonators and more. Loaded with illustrations and tables.

8 1/2 x 11, 56 pages softcover.



227.....\$10.00



### ADVANCED HOMEMADE FIREWORKS

Learn to safely make fireworks at home that really work. Covered in detail is how to make skyrockets, pinwheels, roman candles, aerial bomb shells, fountains, cherry bombs and M-80's. Complete explanation of each chemical and its use makes the manufacture of homemade fireworks easy for even the novice.

B-103.....\$9.95



### THE FIRECRACKER COOKBOOK

A well written guide on how to safely make homemade fireworks, including M-80's, cherry bombs, delayed ignition devices, rocket aerial bombs, and how to make your own flashlight torpedoes (these explode with a flash and bang when thrown on a hard surface). Simple detailed instructions. ORDER NOW!

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### SELECT FIRE AK-47

At last, an AK-47 conversion manual containing two different methods for Select Fire Full Auto conversions. Detailed machinist drawings show all modifications and parts required to make any AK-47 into a reliable full auto weapon. Every phase of the conversion is explained in great detail making it an easily understood process. Order your copy now!

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### AR-15/M-16

#### AMERICA'S ASSAULT RIFLE

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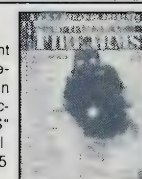
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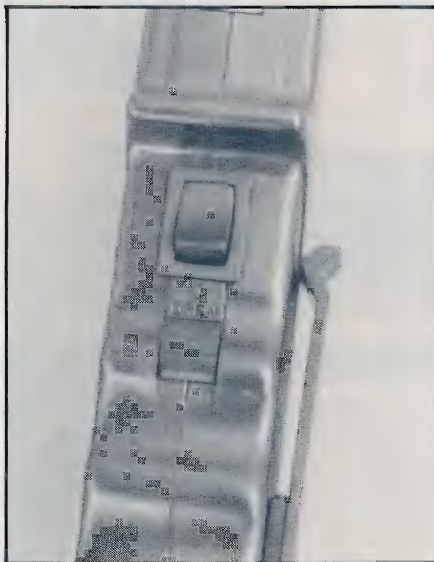
NITRO-PAK:

# Double Shocker

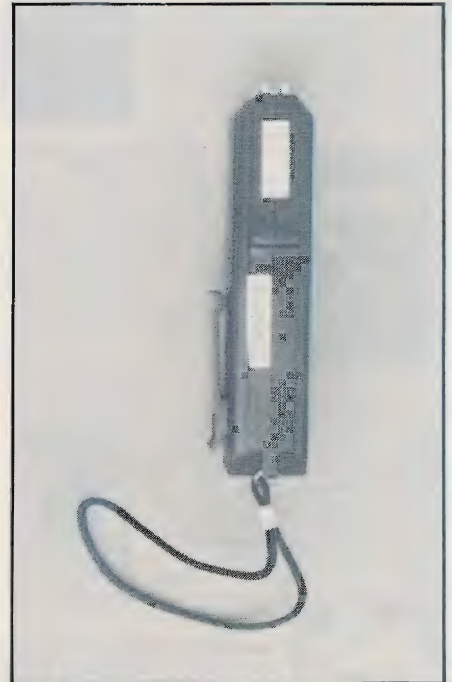
*Most powerful & compact stun gun on the market delivers 150,000 volts. . .*



The Powermax Double Shocker delivers 150,000 volts.



Safety switch prevents accidental discharge.



Metal strips on both sides of the stun gun near the electrodes shock anyone trying to grab it while it is discharging.



The Double Shocker is powered by one 9-volt alkaline or rechargeable battery.



Double sets of electrodes on the Powermax. Two closest electrodes in the middle provide the arc of electricity but touching the outer sets of contacts will also deliver a shock.

## Staff Report

**T**HE Powermax Double Shocker stun gun puts out a wallop of 150,000 volts of electricity at .6 amp to stun and incapacitate an attacker.

Pressing the electrodes end of this 6¼ by 1½ by 1⅞ inches little device into an assailant's neck, stomach or

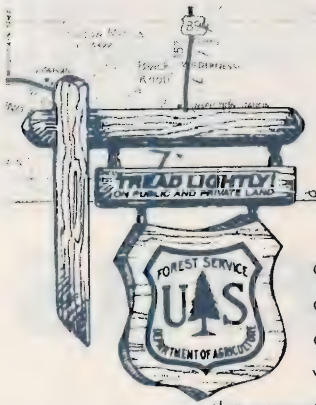
groin areas and holding down the switch for from 1 to 5 seconds provides all the stunning power needed to instantly stop an attack. A short blast of ½ to 1 second will startle; 1 to 2 seconds can cause an attacker to fall to the ground; a full charge of 2 to 5 seconds can immobilize an attacker, cause disorientation and loss of balance.

The Powermax operates on one 9-volt alkaline or rechargeable battery. It comes with wrist cord to prevent it

being taken away during a scuffle and a handy belt clip. A safety switch prevents accidental firing until you are ready. Metal strips on both sides of the stun gun near the electrodes will shock anyone trying to grab the Powermax while it is discharging.

The Powermax Double Shocker is available for \$89.95 plus \$4.95 S&H from NITRO-PAK Preparedness Center, Dept. ASG, 13309 Rosecrans Ave., Santa Fe Springs, CA 90670; 213-802-0099. ●





## WHAT TO LOOK FOR IN AN OFF-HIGHWAY VEHICLE.

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directions and reports on current trail conditions. The kinds of things that'll make any trip go smoother. They also have information on a program called Tread Lightly! Ad-

ministered by a non-profit corporation made up of environmentally concerned individuals and businesses, Tread Lightly! educates owners of OHVs (4x4s, ATVs, mountain bikes, etc.) on how to operate their vehicles compatibly with nature.

Call 1-800-966-9900 for more information about Tread Lightly! Or better yet, ask about becoming a member. It's a great way to join other OHV owners in a cause that's important to all of us. It's sure worth looking into.

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By Jim Benson

Revolutionary:

*Space Age design,  
light weight, high  
capacity 9mm  
firearms. . .*

# Calico Light Weapon Systems

Front sight post. Rear sight.



**A** revolution in firepower." That's how Calico Light Weapon Systems terms its semiautomatic and select-fire lines of high capacity 9 mm NATO and .22 LR caliber firearms.

The company's internationally patented "helical feed" magazine design — the heart of its firearms systems — has enabled it to offer "significant improvements over typical rifle and pistol configurations," according to Calico.

Beginning in the early 1980s, Calico — California Instrument Company — designed and built specialized instrumentation for the petroleum industry. With a background in tooling and engineering, the company produced a new concept in firearms magazine technology with its helical feed tubular magazines.

The first working 100-round .22 LR helical feed magazine was produced in 1985 and the first 50- and 100-round 9 millimeter magazines were introduced in 1989.

Calico's original M-900 9 mm semiautomatic Carbine was banned in California under the *Roberti-Roos Assault Weapons Control Act of 1989*, but is still manufactured in California and distributed out of state. The semiautomatic M-950 Pistol and M-951 Tactical Carbine were introduced prior to June of 1989. The latest versions of these guns are the ones pictured on this issue's cover.

California's new attorney general had ruled that the original Roberti-Roos law was so flawed it was unenforceable. Because of this and with considerable lobbying by the anti-firearms-owner-



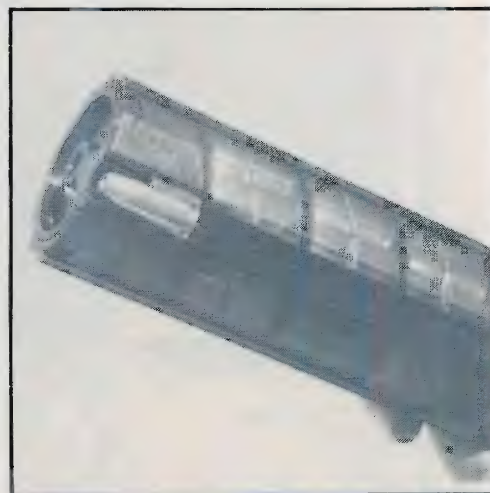
A wall display at Calico of various models of .22 LR and 9 mm firearms made by the company.

ship elements in the California Legislature, a "clean-up" bill to clarify the language in Roberti-Roos was passed and signed into law in 1991. This new law greatly expands the list of banned weapons in the state and appears to ban Calico's M-950 and M-951. A lawsuit may be in the works over the matter as this article is being written.

Unaffected by these laws are Calico's just introduced (in 1991) select-fire line of carbines, sub machine guns and machine pistol. There are eight of these models currently being marketed to authorized class III dealers, law enforcement and military personnel in the U.S. and other countries.

As I noted above, the heart of the Calico weapon systems is the patented "helical feed" design of its tubular 50- and 100-round magazines. These magazines are interchangeable with all models of its firearms of the same caliber.

By use of a "staggered helix" principle, rounds in the magazine are driven forward along a fluted cartridge



The patented helical feed tubular magazine is the heart of the Calico weapons systems.

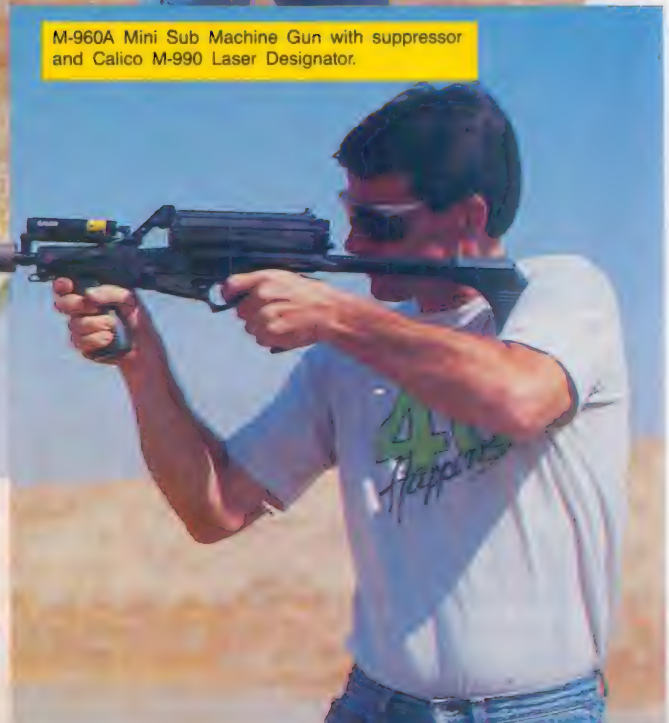
carrier as they press against the helical walls of the magazine cover. A rectangular torsion spring inside the carrier provides the pressure to drive or feed the cartridges along inside the magazine and into the top-loading chamber of the firearm. The magazines are seated horizontally on the top part of the guns and spent cases are ejected

*(Continued from page 63)*





The M-951S semiautomatic Tactical Carbine with optional 100-round magazine, fixed stock and M-918 Kelly (fore) grip.





# Survival On Four Wheels

## Off-road Hazards:

*When clearance, firmness, traction, or grade can get you into trouble...*

A few fairly basic tools are all that is necessary to get yourself unstuck from most situations.



The Hi-lift bumper jack is a versatile piece of equipment that can rapidly give even high-bodied vehicles the clearance they need to dig out, change tires, or put on chains.



The come-a-long is one of the best and most versatile tools you can have if you are off road.



The bottle jack supported by a jacking base prevents the jack from being "jacked" into soft sand.



By Daniel C. Friend

**F**OOD, shelter, defense and transportation are four key issues that must be addressed in any contemporary survivalist scenario.

Food and defense are generally the least costly and easiest elements to organize. For most of us who live in metropolitan areas where prolonged self-sufficiency is unlikely, our shelter element might very well involve relocating to a predesignated remote site, or in a less organized scenario, merely

fleeing from the city in hopes of finding security in a more remote location.

This brings us to the transportation element. The conventional family sedan is unlikely to successfully venture far from maintained roads and highways. The explosion of interest in and ownership of four-wheel drive vehicles has given many of us the ability to trek beyond the limits imposed by the more numerous low-clearance two-wheel drive vehicles.

This potential for getting as far from populated areas as possible may be an

advantage in a crisis, but during normal times it simply means that we are a long and difficult way from help.

If your car breaks down on the freeway, you simply call a tow truck and catch a ride home or to the nearest motel and spend the night in relative comfort while your car is repaired by professionals. If your four-wheel drive breaks down or you become stranded deep in the boonies, you may be faced with a survival situation during the winter, or at the very least a mammoth bill for getting your vehicle



hauled out to where it can be repaired.

I think that many of us rationalize the added cost and expense of a 4-wheel drive by saying that it will be nice to have that capability in an emergency. Let me insert a word of caution here: In all but the most experienced hands a four-wheel drive can easily get you into more trouble than it can get you out of. This trouble generally falls into two categories, and it always seems to occur far from help. First: The vehicle still runs, but gets stuck and, Second: The vehicle itself breaks down. In the first case you merely have to remove the vehicle from its predicament and it will again be a source of transportation for you. In the second case the vehicle has lost its potential for transportation, but is shelter.

### Getting Stuck, and Getting Unstuck

— There are four categories of getting stuck that you will commonly encounter: clearance, firmness, traction and grade. Clearance usually involves bottoming out on the frame by getting a wheel or wheels in a ditch, hole or other similar situation.

Firmness usually involves sinking in snow, mud or sand and may lead to a clearance problem if a spinning wheel digs itself in. Basically, in a firmness situation, the ground isn't solid enough for the wheels to get traction and they spin and sink. This is commonly the situation in deep mud or snow.

Traction situations differ from firmness situations in that the ground is firm or hard but is slippery as in shallow mud, ice, and gravel surfaces. The wheels don't sink, but they spin without moving the vehicle.

Grade situations are often deceptively easy to get into. All it involves is driving down a steep slope and then finding that you can't get back up either because your vehicle lacks the power, or more commonly, because the surface is slippery, as with wet grass, loose dirt or ice.

After you have accumulated enough experience, usually through trial and error, many of these hazards can be spotted and avoided. For those times when, despite your best efforts, you still find yourself stuck, it is often possible to free yourself if you have the proper equipment and know how to use it.

A common myth that needs to be debunked is the belief that a winch is an invaluable tool in getting your vehicle unstuck. Putting a winch on your vehicle will cost right around a thousand dollars. Winches are great

if you need to pull stumps, drag logs and do other heavy duty chores on your ranch. In getting unstuck however, they are usually not much of a help because you drive into trouble and the winch is on the front of your vehicle. It is located exactly where you don't need it! Given the right terrain and accessories it's sometimes possible to set up snatch-blocks and pulleys and winch yourself out backwards, but that's the exception and not the rule.

Generally, a better choice for getting unstuck is the "come-a-long," which is a ratchet-lever cable puller, often used by ranchers for tightening fences, and by truckers for securing loads. A come-a-long plus a tow chain and an auxiliary length of 20 to 50 feet of cable and a solid anchor point will usually suffice to pull you back out of your trouble. *Don't* use a nylon rope or strap with a come-a-long because the nylon



Learning to recognize potential hazards is the first step in avoiding trouble. Finding an alternate route would be a good choice here.

will stretch like a rubberband, absorbing your pulling force rather than transmitting it to the vehicle.

In a case where one drive-wheel is slipping denying you the traction you need to get free, you may kick yourself for having passed up the optional limited-slip differential. But don't despair. You can still get unstuck if you know what to do. While continuing to depress the accelerator, put your other foot on the brake. This will stop the spinning wheel and should aid in equalizing the power to the drive-wheels. Gentle application of the emergency brake can also help equalize power to both wheels.

Another option is to use a scissors or bottle jack under the axle to lift the stuck side of the vehicle and put the vehicle's weight over the wheel with the power. Once free, you simply drive off, and when on firm ground walk back to retrieve the jack.

If the ground is soft or you are in sand or snow put a 2x12x12 board under the jack as a support base so that you don't merely jack the jack into the ground. If you have a second vehicle in your party and it is still on firm ground you can use the stretching quality of a nylon tow rope or strap to your advantage in this instance. When you hook the two vehicles together leave some slack in the rope or strap and have the other vehicle pull off rapidly rather than slowly. The nylon will stretch to its limit and "snap" you out of your predicament.

If you travel in sand or soft dirt it's a good idea to carry two strips of carpet about 2 feet wide by 10 feet long. These can be placed under slipping wheels to provide a firm base for traction. Chicken wire and chain link fence work well in this role.

You can use a shovel to dig away clearance if you are stuck on the frame, or dig a "ramp" if your spinning wheels have dug holes too steep to drive out of. Added weight over the drive wheels whether it involves re-locating the load or having passengers stand on the bumper can also help you gain traction. Sometimes merely being pushed can get you free in minor cases.

A common problem when stuck in snow or sand is turning the front wheels too much, creating "dams" that halt forward movement. When trying to get unstuck in this soft material keep your front wheels straight, keep the vehicle moving and don't break traction. Be conservative with the accelerator. Once moving, gently steer in the direction you desire.

Another trick that is easier with automatic transmissions, but also works with stick shifts is to "rock" out of a hole. Rather than stepping on the gas in frustration and digging yourself in deeper, simply shift from drive to reverse while slightly depressing the accelerator. This back and forth motion will "rock" you free. Once you rock out of the hole it's important to keep the front wheels straight and keep moving.

Tire chains are often thought of strictly for use on snow and ice. They can be quite useful in other situations as well, and shouldn't be overlooked if you are spinning your wheels. The chains can provide the added traction you need to get free. In some cases, simply letting a little air out of your tires will greatly improve your traction and give your tire a larger "footprint." Don't let too much out though, or you might slip the tire right off the rim.

(Continued on page 62)





By George E. Dvorchak Jr.,  
M.A., M.D.

**S**KIN, which covers our body, has the important function of protecting the internal organs and tissues from the environment and physical objects. Technically, this protective covering is also our largest body organ and the first line of defense from injuries and bacteria. With injury, the outer layer of skin, the epidermis, is either scraped away or opened-up to permit bacteria and materials to enter. In a more severe wound, the next layer downward, the dermis is penetrated. This contains connective tissue, sweat glands, hair follicles, nerves, lymph and blood vessels. Generally speaking, the deeper the wound, the more serious the consequences it can have for the body.

As survivalists, you want to be prepared for about anything at any time. Therefore, the best approach to a presentation on wound care is to cover everything from the simple closed wound to more serious injuries. In these, the skin has been compromised and the wound is therefore referred to as open.

**CLOSED WOUND TO THE SKIN:**  
This is the common BRUISE or CON-

TUSION which is caused by a blunt object impacting upon the body. The result is that blood will begin to leak from the injured vessel under the skin which then causes that area to change color to a black or blue. The good thing with this injury is that because the skin has not been broken, infection is not a great possibility. Therefore, the immediate first aid treatment is to apply ice for about 10 minutes and then throughout the day. Even though the skin was not broken, this could still be a serious problem, one depending on what was injured beneath the skin and the amount of force that originally caused the injury. If an internal organ in the abdominal area was severely injured, bleeding could be taking place internally without evidence externally. When traveling or hunting with horses, an injury could happen by simply stopping to adjust a load on a pack horse. If he gets spooked and you kicked, an internal injury could result. A hard kick to the abdomen when days from medical care could cause internal bleeding that may be fatal. Not all is obvious at all times!

**OPEN WOUNDS TO THE SKIN:** It is in this category where everything from a band-aid to sutures are necessary along with special considerations and concerns. In beginning with the least serious of six major categories of open wounds, we have the ABRASION. This is where the outer surface of skin has been scraped away as from a scratch or rope burn. There is usually some minor oozing of blood and serum.

Depending on how the injury was obtained, there is usually dirt or foreign matter ground into it. This problem brings to light another player against wound healing, infection. The treatment now goes beyond the application of ice. To treat an abrasion as a scraped knee, the wound must first be cleansed with soap, water and if available, hydrogen peroxide. This will

# Wound Care

*From Scrapes to Sutures...*

**First Aid:**

One way to get into trouble is with an axe. If the axe glances off the log and strikes the leg, a nasty gash could require advanced first aid skills.

remove dirt that will cause an infection and therefore impair healing.

Once cleaned, the wound should be blotted dry with a clean cloth or preferably a sterile gauze. It now would also be a good idea to apply pressure over the injured site for a few minutes for the purpose of slowing down and hopefully stopping any bleeding. The application of a first aid or antibiotic cream to the abrasion could help to prevent infection and keep the bandage that you will apply from sticking to the raw wound. For the best protection, the bandage should cover an inch beyond the wound. An ice pack over the final bandage can serve to reduce swelling and some of the discomfort.

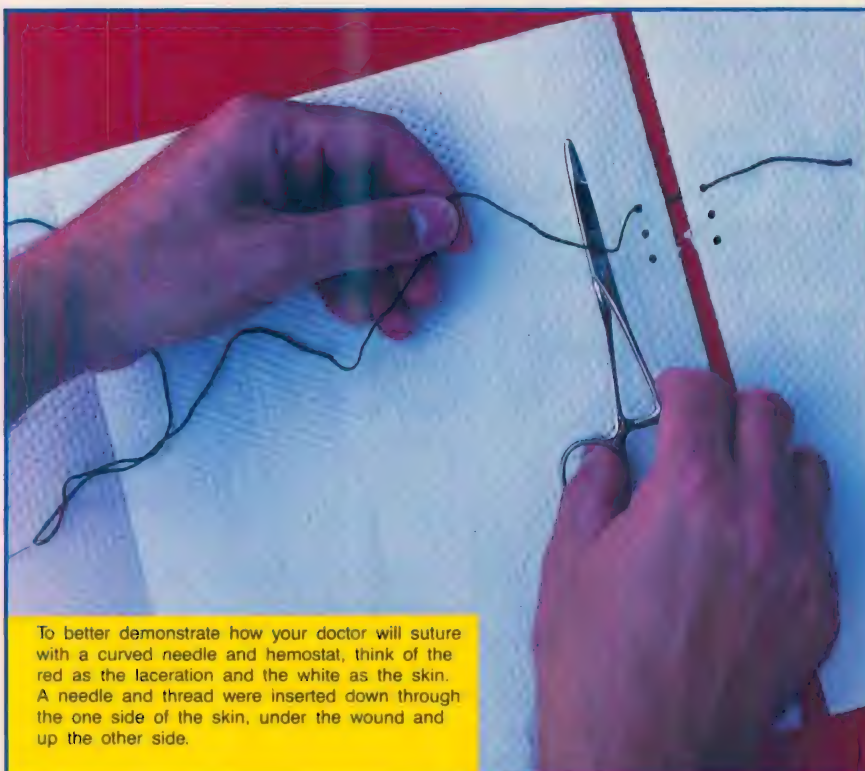
The next category of wounds is the INCISION. This is made from a sharp knife-like object that leaves a clean cut. To keep this one separated from the next, think of a surgical incision where the cut edges are smooth.

The third is the LACERATION which is similar but with jagged edges due to a tear. Because these go beyond the outer layer of skin and into the deeper layers that contain blood vessels, there is a lot of bleeding. If you were deep enough or unlucky enough to cut an artery, blood will squirt out with each heart beat due to the high pressure in these vessels. The best approach here is to apply a pressure dressing and get to medical care where sutures will usually be needed to fully or partially close the wound, depending on if it was dirty or clean. Because suturing is a common medical procedure, I will later outline some information on what is involved to better inform you of your doctor's options.

The next wound is the PUNCTURE. As its name implies, this is when a foreign object is pushed into the skin. This could be a splinter that only penetrates the superficial layers of skin or a nail, sharp stick or fishing hook that penetrates deeper. With this you usually will not see much external blood which does not mean that there is little internal bleeding. To

(Continued on page 66)



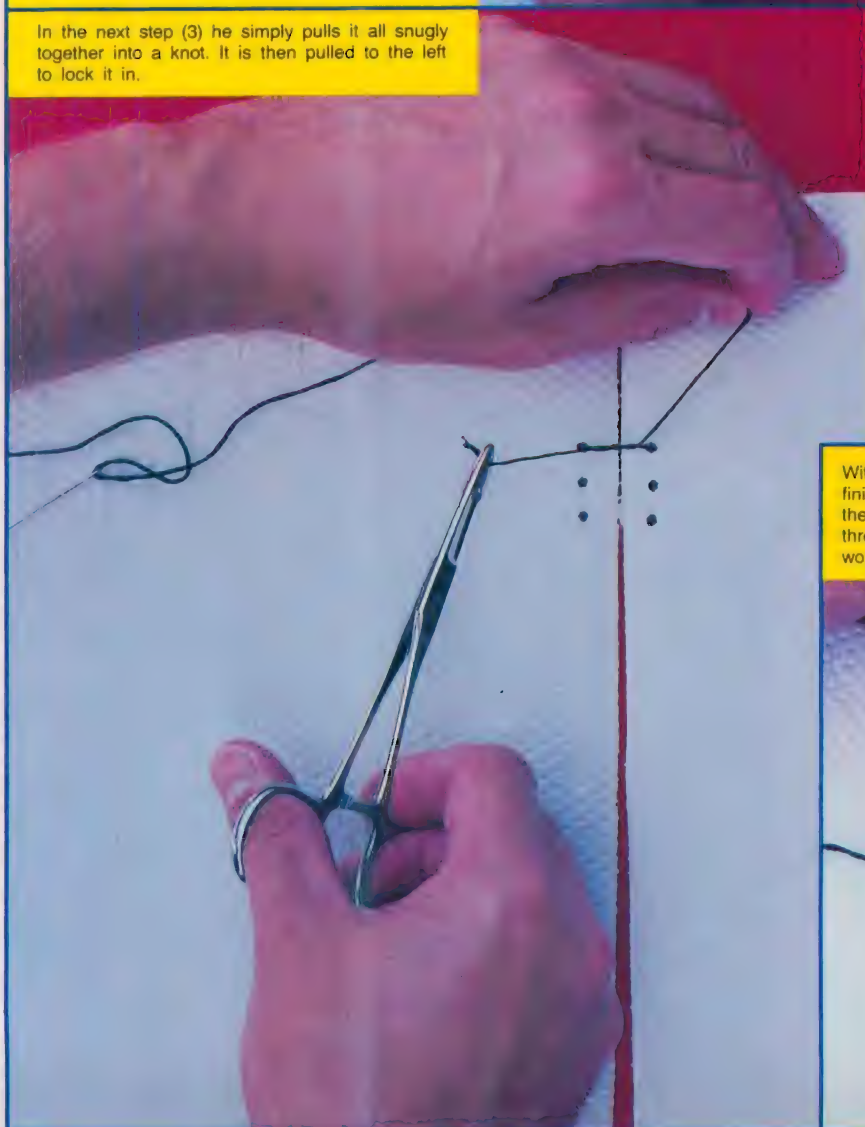


To better demonstrate how your doctor will suture with a curved needle and hemostat, think of the red as the laceration and the white as the skin. A needle and thread were inserted down through the one side of the skin, under the wound and up the other side.

In the next step (3) he simply pulls it all snugly together into a knot. It is then pulled to the left to lock it in.



In the second step and with the hemostats in the right hand, he will pick up the thread on his left and loop it over and then under the hemostat. He will now open the jaws slightly and grab on to the end of the thread on the right.



With it locked in, he will repeat the procedure to finish the square knot. Once finished, he will cut the ends leaving around a quarter of an inch of thread. The procedure is repeated until the wound is closed.





Self Sufficiency:

# Efficient Fire-

*'Cutting down' the time and effort factors...*

# Wood Harvesting



Close up of saw buck stand. Note the safety strap in the center.

efficient planning, preparation and execution.

There is really no problem in locating stands or areas of potential firewood. They are usually too small to warrant commercial attention or too difficult to reach without heavy equipment. Perfect for you to obtain, for no cash cost and perhaps only an exchange of "logging rights," a small share of the wood. For this reason I won't go into where to find wood.

I have a 15-acre homestead abutting a 47-acre lot. My neighbor, who has just built a log home on the front of that lot, allowed beavers to set up housekeeping about 3 years ago. The pond they created effectively cut access to the back 80 percent of the lot, mak-

By Richard R. Doucet

**W**ANT a good supply of quality firewood with low cash expenditure? Want more time to get other homestead chores done? Want some good exercise, but not endless hours of backbreaking work? Care about the area you're going to harvest and don't want to scar it up with heavy equipment?

You can accomplish all of these aims in one stroke — if you know the "magic word." That word? Efficiency!

A firewood harvesting foray can yield a far greater amount of product than would normally be expected in the same amount of time when you use



Using the saw buck. With two cuts, 12 logs are turned into 36 stove lengths of firewood.



ing it impossible for her to cut firewood without crossing my property, and even then only with a great deal of difficulty because of the terrain.

The beavers, on the other hand, had no trouble reaching and cutting trees at all. Given the taste beavers have for the better quality trees, it was not long before an amazing abundance of large oaks, birches, poplar and beech trees lay in disarray in the area. Even more trees stood, dead, from having been girdled by the beavers or drowned by the rising water.

We both wanted the estimated 10 to 12 cord of wood that could be extracted from the area, but we also know the devastation loggers would cause if we had them do it. And, of course, it would not be cheap. Therefore, we settled on a simple exchange of part of the harvest for her if I could get it out.

With the aforementioned in mind, I hasten to add that this article is not a review of proper safety procedures for wood cutting. Anyone planning to do any work with a chain saw, power splitter or any hand tool such as an axe or buck saw should be completely knowledgeable in the safe use and operation of these tools. Extensive instruction and safety tips are included with any power or hand tool you purchase. I can give you no better advice than to tell you to study and understand the instructions for any equipment you intend to use.

However, I will make these few points. By our very nature, those of us who seek the more self-sufficient way of life, often tend to work alone. Sometimes because we want to and other times because we have to. While it is never a good idea to work in the woods alone, especially with power tools, if you decide to, then I strongly suggest you do the following:

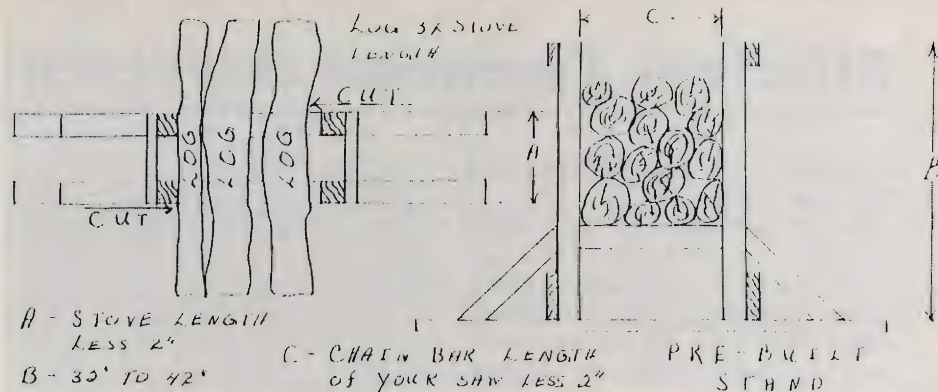
- If there is any chance of having someone around for a period of time, get as much power tool work done as possible, especially chain saw work.

- Have a first aid kit with you. Even a simple one with compress bandages can save your life.

- Have a CB radio, whistle, or “fog horn” (the kind carried on small boats and powered by a can of compressed air) as a means of signaling for help.

- Last, but not least, **THINK SAFETY AT ALL TIMES.**

Frugal is a word we do not hear much these days, but its meaning is not lost on homesteaders. Keep it in mind as you choose your tools for the task. When it come to large items, such as a chain saw, borrow it if you



do not need it for more than this one task. You can easily be sold a lot of expensive doodads and “need-to-have” stuff that you can really do without. Some of it can be very expensive, such as a wood splitter; nice to look at and does a fast job, but considerable money to spend for two or three day’s worth of work, only to be stored for the rest of the year.

You can do a reasonably fast and “effort acceptable” job with only these items: safety glasses, gloves, ear protection, small hatchet or machete, splitting wedge, maul, chain saw with accessories, and a “measuring stick.” You can quickly and easily make yourself a measuring stick. It will save you time and maybe some aggravation.

Cut a pole about four feet long and about an inch or so in diameter and clean it up by taking all the branches and bark off. Then decide how long your split wood has to be to fit your stove, its “stove length.”

For example, my stove takes 24 inch logs so I cut my logs to 20 inches... just to make sure they fit. I marked off my stick at 20 inches and 40 inches, making sure the handle end was indicated. Use bright yellow or orange paint or tape for this. Using this stick, you can quickly measure off multiples of correct stove lengths and mark them on the logs with your hatchet.

**When To Cut** — Pick your season for wood cutting. In my area, southern New Hampshire, the best times of year are mid-to-late spring and mid-to-late autumn. During these times of the year the weather may still be unpredictable, but usually it’s good. In the spring, the leaves and fast growing ferns and grasses have not yet sprung up to make work difficult. In the fall, especially after the first good frost, grasses and ferns have died back and many leaves are off the trees. But, best of all, there are almost no insects around!

By the time one of these two seasons rolls around, you should have already accomplished the next step — recon-

naissance.

Whether the area you will “log” is on or near your property or further away, this is a step that is most important. By choosing the area in the first place, you have already decided that it is worth the time and effort to travel the distance involved to get the wood.

On your reconnaissance you should make the following notes:

- How far from your transportation do you want to walk to a logging area?

- In that area, how much “dry” wood is available (including cut and left by loggers, standing dead or hangers)?

- How much green wood is there?

Make a sketch of where and how you will set up your work site. Mark the various stations. Setting up the work site is next. You may elect to do it days before you start to cut or do it first day of cutting. The important thing to remember is that next to safety, efficiency is most important; so take the time to set up.

The logging area and the work site are set up so that wood flows in one direction and is handled as few times as possible. Clear your work site of grass, ferns, loose stones, and dead wood that is in the way. The same is true for your walkways in the work site and throughout the logging area. You will be carrying some good sized logs and the painful consequences of tripping over something will be greatly increased with the weight of a log in your arms or on your shoulder. Pay particular attention to special dangers.

Closest to the transport should be the splitting area. When the wood is split, it can be tossed directly into the transport. This is also the best place to leave items such as fuel, tools, bar oil, lunch and refreshments. A note here: alcoholic beverages of any kind have no place when you are doing this type of work.

Next to the splitting area, set up two “bucking stands.” Both stands serve the same purpose: to produce multiple stove length pieces in a single cut and



# Efficient Firewood Harvesting

thus making the most efficient use of time and energy.

Though each stand is made differently, there is one thing about their construction they have in common that is very important. The width of the stands **MUST** be a few inches shorter than the length of the bar on your chain saw.

If this width is greater than the bar length, the saw will "tip" on the log farthest out and cause the saw to kick back at you. Both stands are used at the same time. The pre-built one holds smaller logs or branches, and you can put as many in as the stand will hold. However, with the field-built stand relative diameters are important. Putting a much smaller log on the outside, or farthest from you, with a larger log closer is not safe, because the chain of the saw can pull the smaller one over the larger one, hitting you quite hard. Basically, use the pre-built stand for logs and branches less than 4 inches and the field-built one for over 4 inches in diameter.

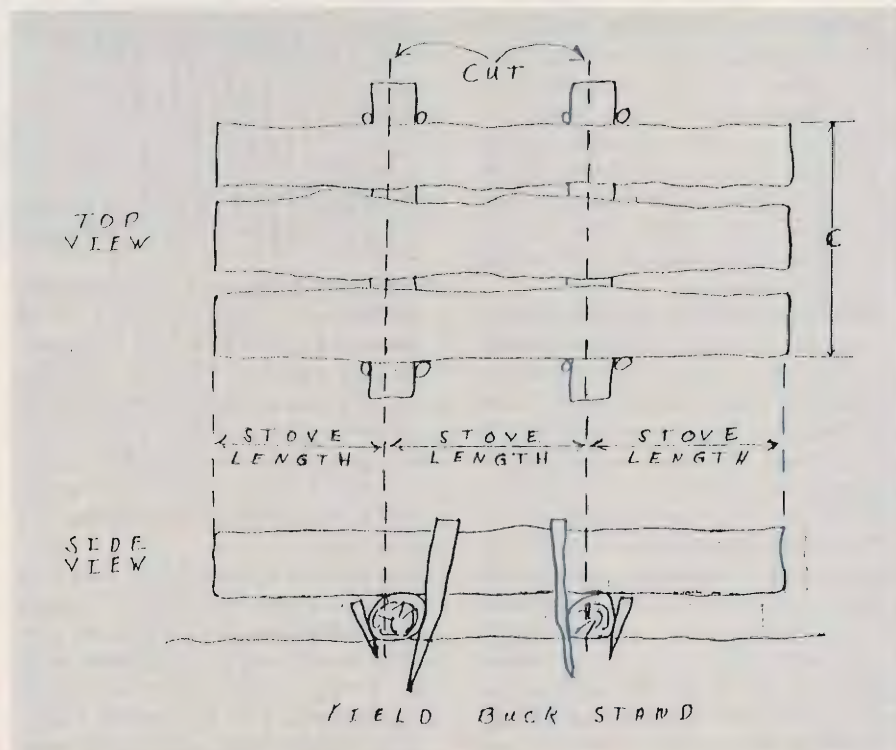
On the opposite side of the splitting area, find a space for "uglies." Uglies are what I call short leftovers and pieces too hard to split, such as knots and forks. As I measure up logs for cutting, I usually cut around these and leave them behind. This way, when it is time to split, I do not have a fight on my hands. I save the uglies to burn during the day when I can tend the fire... "Waste knot, want knot."

The last areas to set up are the stacking areas. This is nothing more than a cleared area. As you bring your wood in, you fill the bucking stands first, then stack up the rest. Now you are ready to start. You arrive early on a nice sunny day and are ready to go. Stop! Take time to finish your coffee. Now is the time to answer the most important question of the day: "How much can I really get done in the time I have set aside?" Your goal should be to get everything you cut home at the end of the time you have.

Now you are ready to start cutting. Cut the trees in the following order:

- Downed trees, green and dead.
- Hangers and leaners (be careful).
- Standing dead trees.
- Standing green trees.

Work from a point closest to your work site outward to the farthest point you will want to go. Do all the like work at once. Cut down trees. Limb



all the trees. Mark off all the trees in stove lengths with the help of your measuring stick. Cut all the logs to carrying length.

If you can lift 100 pounds, do not try to carry logs any heavier than about 50 pounds. Not only will you get tired faster trying to carry your best load and risk a lifting injury, but the chance of a serious injury is much greater if you fall with 100 pounds on your shoulder.

When cutting the logs, cut in multiples of the stove length marks you made. The shortest log will be one of one stove length. If this is still too heavy, you will have to split it in half. As you work up the trunk of the tree, the diameter will get smaller and you will be able to carry logs of two and then three stove lengths.

The maximum length you should carry is not more than about 8 feet. Beyond this length, they become very clumsy to handle and difficult to walk with through the woods. When you get to diameters of about 4 inches and less there is no need to mark them. Your 2 x 4 bucking stand will do that for you.

**Splitting** — Once all the cutting is done, the next chore is to get them to the work site. Just as with the other work, there is a best order to work in:

- The heaviest and farthest away.
- The farthest away for like sizes.
- The uglies.

By working from the farthest point with the heaviest ones first, you achieve several goals. First, the heaviest are most likely to be the single stove lengths and these can go straight to the splitting area. They will be out of your way from the logging area first and ready to be split at the work site first. More important, you will move the heaviest the farthest when you are still rested and strongest. As the day goes on you will begin to tire, but the difficulty of the work will lessen with the decrease in your energy level... a definite psychological advantage. Last to be brought in and loaded are the uglies. They are the smallest and represent the least valuable of the wood. If some one shows up to help, like the children after school, these small pieces will be easy for them to handle and give them something useful to do. However, should time run short, you can always leave the uglies behind.

Now, all the work will be done in the work site. What you have accomplished so far should have taken about 2/3 of the time you have to complete the task.

Continuing the theory of getting the

(Continued on page 35)



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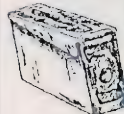
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# Pac Lite Grill



Cooking chicken on the grill was a snap.

*Lightweight, versatile, compact...*



When unpacking the grill from the Cordura carrying case, don't throw away the instructions! You'll need them to repack the grill in the correct manner.

### Staff Evaluation

**B**ACKPACKERS, campers, and survivalists will appreciate the simplicity and compactness of the Pac Lite Grill. Made from aluminum cooking alloy, it is approved safe for use over open flames. It withstands up to 1,100 degrees F. temperature and weighs less than three pounds.

Folded up, the grill takes just a little more space than an Army entrenching tool. When completely assembled, the Pac Lite Grill can be positioned over any size campfire for the best cooking temperatures. To change the height of the grill simply slide the arm up or down the mast. When cooking is done the arm can swing out of the way of the flames. The grill also comes with a griddle for cooking bacon, eggs or pancakes.

We tested the Pac Lite Grill by cooking chicken over a small fire and found that it worked quite well. Getting it put back to its original travel size is another matter. Don't throw away the instructions until after you have completed the operation at least five times. The way the Pac Lite Grill "packs up" is really ingenious and will hold everything together quite well so don't get impatient during the learning process.

The Pac Lite Grill comes with a one year guarantee and has a suggested retail price of \$44.95. Introductory price is \$42.95. Sgt. Rock's Locker Box, Dept. ASG P.O. Box 468, Whiting, IN 46394. For information call (219) 659-6655. ●



Gently pound the mast into the ground approximately one to two feet away from the fire.



The swing arm can be raised or lowered to the desired elevation. Slide either the grill or the griddle on to the arm, or if you want, slide both on and use the additional surface to warm foods.



# Efficient Firewood Harvesting

(Continued  
from page 32)

most energy consuming tasks finished first, the next step is to split the stove length logs, and load them as you split. Use the field-build stand to cut the multiple length logs and split and load them. Lastly, cut the smallest diameter logs in the 2 x 4 stand. Each cut here will give you armloads of smaller diameter lengths that will not need splitting. Once these are loaded, just throw on the uglies.

Before you leave though, you may want to consider one of those nice, straight, tall, but very dead pines. Cut into rounds about a foot long, they split very nicely into kindling. Load your tools and any trash in the area... even if it is not yours.

You have gotten your wood home in the time you set aside. Done? Not yet! Follow through on the last task — storage.

You went through a lot of trouble and work to get this wood so take care of it until you use it. There are many methods of storing wood, but keep these characteristics in mind as you plan to store:

- Try to store it out of the weather.
- Separate the green from the seasoned and the bone dry.
- Don't store it too far from the house... remember, you have to get to it in the dead of winter.

Use the bone dry early in the season. It will burn faster, but chances are you will need it mostly for getting "the chill out" more than serious heating. Store the green wood in ricks one stove length wide, about four feet high as long as you like. Run the ricks east and west. Wrap the sides and ends in clear or black plastic, but not the top.

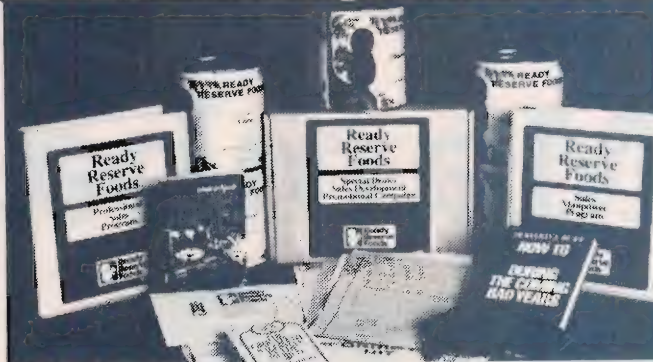
Put scrap boards or plywood on top, held down by rocks or logs. On sunny, winter days the plastic will cause a greenhouse effect and help dry the wood. The moisture will be able to escape through the top. By early spring, it should be ready to use.

Now you can sit back and have that cup of herbal tea or dip into that cider barrel.

You have efficiently, at little cash expense, brought yourself closer to self-sufficiency using what others did not want. You have not harmed the environment in the process, and have gotten a good physical workout that others pay big money for at a spa. Not bad for a day's work! Be proud of yourself and sleep well tonight. ●



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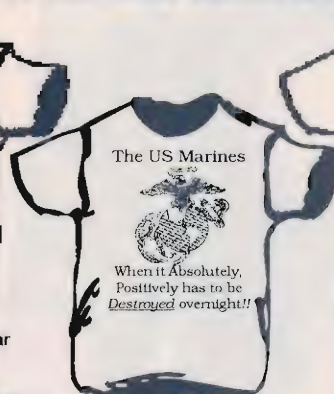
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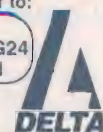
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*A smaller, lighter version of the original Mamba combat knife...*

# Mamba 7-L

The black leather sheath is designed to be light and compact.



Chips fly as the Mamba's sharp blade is used for light duty chopping.

Overall length is 13 inches. Blade length is 7 inches.

**W**E tested this scaled-down version of the original Mamba combat knife during a recent deer hunting trip to Utah. Everyone in the hunting party commented on its sharpness, and praised its ease of use during cutting, chopping, and wood splitting chores.

The design of the Mamba 7-L was begun nearly two years ago when literally hundreds of requests came in for a down-sized version of the original Mamba. The design staff of Blackjack Knives wanted a light, quick blade that

retained the awesome cutting power and precision thrusting capability of the original, but would not be required to accomplish heavy chopping duties.

The model 7-L evolved by reducing the thickness of the blade to 3/16 of an inch, using abbreviated lug guards and removing more blade mass through shallow hollow grinding. Balance is now on the first finger just behind the guard.

Construction is full exposed tang from 400 series high carbon stainless steel at 55-57 Rockwell. The hand

ground convex edge is razor sharp and easy to maintain. Weight is 12.2 ounces and overall length is 13 inches. Blade length is 7 inches. Each Mamba 7-L is supplied with a high quality black leather sheath, designed and made in the U.S.A. by the Hunter Company.

The 7-L was used extensively during our hunting trip for kindling wood preparation, rope cutting, whittling on Pinon Pine and Juniper sticks, and even to remove a splinter from under a fingernail. The back of the blade is still plenty thick to handle the impact





Sharpness was proven by shaving hair off the forearm.



The original Mamba is shown left in black with the Mamba 7-L right.

of a wooden mallet or log when splitting small diameter branches for firewood. By chocking up on the blade at times, an ASG staff member was able to produce some detailed carving that was eventually titled, "the Geezer Mermaid."

Overall, the knife is fun and easy to use and has a very comfortable grip. Suggested retail price is \$79.95. For more information contact: Blackjack Knives, 1307 W. Wabash Ave., Dept. ASG, Effingham, IL 62401; (217) 347-7700. ●

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K.B.I., Inc.:

# PMK 380 Pistol

## Staff Evaluation

*High quality Hungarian-made double-action, decocking .380 semiautomatic copy of the famous Walther PP — at less than half the price. . .*

**T**HE German Walther PP-PPK Series pistols are among the most popular handguns in the world and are considered a top choice for under-cover/back-up guns by government agents and law enforcement professionals.

The PPK — made famous as the sidearm of James Bond, Agent 007 of movies — was banned from importation to this country by the 1968 Gun Control Act. It is now made here in the U.S. under license of Carl Walther in Germany, along with other Walther models. The Model PPK/S has a longer grip for those persons with larger hands.

The Models PP and PPK/S differ only in overall length of the barrel and slide, the PP being slightly larger. Both are made to be carried with a live round in the chamber and hammer down.

Six years ago Kassnar Imports began importing a faithful copy of the PP made by the Hungarian gun maker FEG. It was only on the American market about eight months before imports were stopped by the U.S. State Department, which objected to support of the Warsaw Pact nation's arms industry.

Now, with the demise of the Warsaw Pact, K.B.I., Inc., successor to Kassnar Imports, is once again importing this striking handgun chambered for the .380 Auto (ACP) cartridge. It has been on the U.S. market since last August and is called the PMK 380. While the Walther PP is chambered for .380, .22 and .32 ACP, the PMK is at present only available in .380 caliber.

The PMK 380 has an aluminum alloy frame with steel slide and barrel. This gives it a weight with empty 7-round magazine of only 21 ounces — 2.5 ounces less than the Walther PP.

Overall length is 7 inches and barrel length is 3.8 inches. Height with magazine inserted is about 4.5 inches. Width is about 1 1/4 inches. These dimensions are identical to the Walther



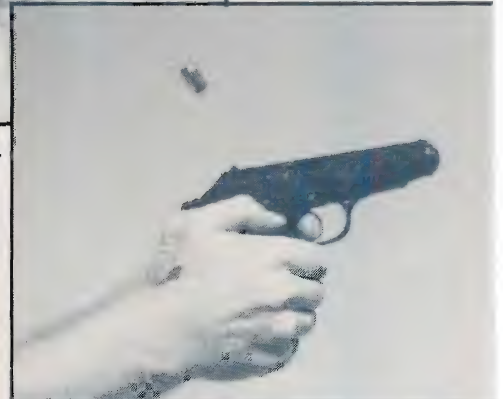
Recoil is definitely noticeable with this lightweight, compact pistol, but not a hindrance in shooting. The PMK is basically comfortable to handle and fire.



These hits were made with quick aimed fire from a standing position 12 yards away.



The PMK is a faithful copy of the Walther PP. Left grip has a thumb rest for right-handed shooters.

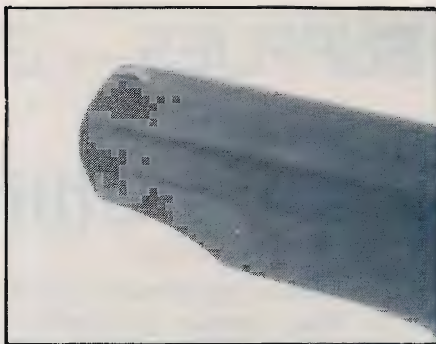


Decocking the hammer with a live round in the chamber.



Magazine holds 7 rounds.





Sights are a fixed U-notch rear, drift adjustable for windage, and a low fixed front blade.

PP. Our test PMK 380 loaned to us by K.B.I. had a blue finish with black checkered grips with the left grip having a thumb rest for right-handed shooters. The gun is shipped in an attractive box with extra magazine, cleaning rod and owners instruction manual.

Like the Walther PP, the PMK 380 is a double-action pistol. It can be carried with hammer down and a round in the chamber. A round can be chambered by drawing back the slide with a loaded magazine inserted in the gun and letting the slide snap forward, cocking the hammer and at the same time stripping a cartridge from the top of the magazine and chambering it. To decock the pistol point it in a safe direction with the finger off the trigger and thumb down the safety lever on the left rear of the slide. This will lower the hammer while preventing it from hitting the firing pin.

The safety decocker locks the firing pin and shields the firing pin from the hammer. The hammer cannot be cocked manually while the safety is on.

Thumbing the safety lever forward allows the gun to be fired with a double-action pull of the trigger or the hammer to be manually thumbled back and cocked.

Sights are a simple fixed rear U-notch which is drift adjustable for windage and a low fixed front blade. There is a serrated strap between the sights to break up glare. We found the sights adequate for the close shooting this gun was designed for.

The PMK 380 is disassembled in seconds without tools. With the safety on, the magazine is removed and the trigger guard is pulled down and to the side, allowing it to rest on the frame. Then the slide is drawn fully rearward and lifted up and then eased forward and off the frame.

We test fired the PMK 380 with some American Eagle 95-grain full metal case ammo and some Winchester Silvertip 85-grain hollow point cartridges. Shooting with quick aimed fire at a Triple Tap anatomy target from a standing position 12 yards away, and after some initial adjustments in

our sight picture, we repeatedly made hits in the desired upper torso and head areas.

The PMK 380 handled our Silvertip hollow points without a hitch. In fact, the gun never jammed once during our limited test firing session with both types of ammunition. We chronographed the American Eagle ammo at about 1,025 feet per second a few feet from the muzzle of the PMK 380; and the Silvertips were just slightly faster.

Recoil with both rounds is noticeable but the gun is comfortable to shoot and handle. Single-action trigger pull is about 6 pounds, while the double action is closer to 13 pounds.

The PMK 380 is very well finished. Although we didn't have a Walther PP available for comparison, we can find no difference between this gun and the photos of the PP we have. Perhaps the best thing about this nifty little handgun is its very reasonable price — \$199 suggested retail. That's less than half the current suggested retail prices we've seen for the Walther PP-PPK Series guns.

While the Walther PPK is probably more popular than the PP, we like the PP with its longer barrel, giving you a little more velocity, which is desirable with a lightweight round like the .380 ACP.

If you've wanted one of the Walther pistols but were put off by the prices, take a look at the PMK 380. We think you'll agree it's definitely a value for the money. For more information see your gun dealer or contact K.B.I., Inc., P.O. Box 6346, Harrisburg, PA 17112; (717) 540-8518; fax (717) 540-8567. ●

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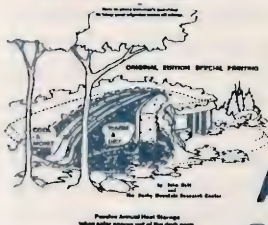
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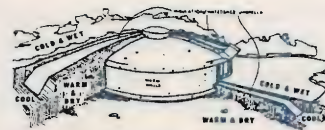
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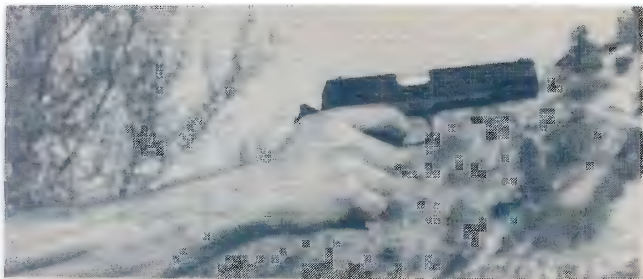
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## Staff Evaluation

**T**HESE days we're seeing more and more products imported from the People's Republic of China on the U.S. markets and the firearms market is no exception.

Norinco, one of the state arms concerns of the PRC, which bills itself as the world's largest arms manufacturer, has exported a number of copies of Soviet and East Bloc weapons to the U.S. in recent years, most notably the Kalashnikov and SKS variants.

Norinco, whose U.S. subsidiary is China Sports, Inc. (P.O. Box 3250, Ontario, CA 91761), also exports ammunition to the U.S. and has just introduced some new .45 ACP hard-ball ammo that looks real good to us.

We obtained samples of this ammu-

nition and have test fired it in a new 1911A1 pistol China Sports has also just introduced on the U.S. Market (this appears to be a top-notch pistol and we'll be reviewing in an upcoming issue). Sold in boxes of 50, this ammo is military specification 230-grain ball, lead core, copper jacketed, brass case, boxer primed non-corrosive and reloadable.

In test firing it in the new Norinco 1911A1 pistol at both China Sports' indoor firing range (15 yards firing distance) and outdoors at a public shooting area, we have found the ammo to be every bit as accurate and reliable as any good quality commercial load of this stuff on the market today.

Our chronographing of the ammunition gave us very consistent velocities. In numerous sets of test firings we found consistently small variations in bullet velocities. Average velocity firing from the 5-inch-barrel 1911A1 is about 825 feet per second. Standard deviation between rounds ran as small as 9 feet per second.

The China Sports .45 ACP ball ammo

is competitively priced also, and we believe you will find it very satisfactory. It is sold through gun dealers nationwide. Ask your local dealer about it, or for dealer information, contact China Sports, Inc.



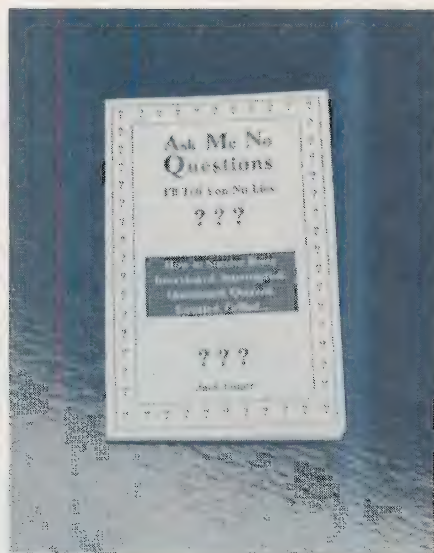
Velocity testing with an Oehler 35P Proof Chronograph.



One of the 5-shot test summaries: top velocity was 835 fps; low was 810 fps; standard deviation was 9 fps.



Written as a companion guide for the new Field Fighter Combat Knife (Sharp Spear Knives, Inc. P.O. Box 408, Old Highway 41, Carlisle, IN 47838; (800) 264-3077), *Military Knife Fighting* can provide you with the insight and techniques needed for survival when it's down to "mano a mano" and your only weapon is a combat knife. The book guides you through the world of knife grips, stances, targets, blocks and counters, as well as serial attacks, parallel attacks, knife grappling and more. You'll learn the correct way to dispatch a sentry, counter a bayonet, plus techniques for countering an entrenching tool, and knife throwing. Training hints are provided and ideas are given to help strengthen the skills demonstrated in the book. Each move, stance and grip is fully illustrated with black and white photography. In fact, there are over 120 photos inside. If you own a large field knife, a combat fighting knife, or even simply a small pocket knife, you should acquaint yourself with this potentially "life saving" information.



**Ask Me No Questions, I'll Tell You No Lies**, How to Survive Being Interviewed, Interrogated, Questioned, Quizzed, Sweated, Grilled. . . . By Jack Luger. Loompanics Unlimited, P.O. Box 1197, Dept. ASG, Port Townsend, WA 98368. Softcover, 177 pages. \$16.96 plus \$3 shipping.

The police want to talk to you about your neighbor. Should you cooperate? The cash register is short and you're

being blamed. Do you know what your rights are when dealing with company security people? A job application asks if you've ever been convicted of a crime. How should you respond if you're an ex-con? You're walking out the door when a reporter shoves a microphone in your face and starts asking embarrassing questions. What's the best way out of this situation? Every day, innocent people are grilled by cops, attorneys, security guards, employers, the media, and a slew of government agents. Even if you've done nothing wrong, you can cause yourself a world of trouble by giving the wrong answers. This book shows exactly how to protect yourself. You will learn how to handle police interrogations, how to respond in job interviews, how to answer questions in court, how to beat the polygraph, and more. Learn all the tricks interrogators use to make you talk, and how to condition yourself against them. You'll also learn how to provide answers that will satisfy your interrogators without giving too much away. A great self defense book for the *mind*.

**Healing Plants, Poison Plants**, a video by the World Survival Institute, Box 394, Dept. ASG, Tok, Alaska 99780; (907) 883-4243. VHS, 60 minutes. \$49.95 plus \$3 shipping and handling.

*Healing Plants* is one in a series of 12 videos produced by the World Survival Institute and billed as the "12 Most Wanted Videos." A 90 minute VHS preview tape contains material from all 12 tapes and sells for only \$10 plus \$3 shipping. If you then purchase one of the other tapes the \$10 is refunded. Most of the plants that were videotaped for *Healing Plants*, *Poisonous Plants* are found throughout the United States. Gretchen Janowsky, who is a plant expert and herbalist, studied botany at the University of Alaska and has continued for 20 years her study of medicinal herbs. The high quality video clearly shows each plant making identification easy for the viewer. The tape also shows how to take raw botanical materials and use them to make medicines, salves, tinctures, and teas for home use. An excellent addition to your survival video library. ●

# The Eternal Warrior

And the keys to life long self defense (See Article this issue).

John McSweeney is a 7th degree black belt in the International Kenpo Karate Assn. He is the founder of Karate in Ireland and presently teaches at his school in Elmhurst IL.



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# Expedient Water Purification

*Sterilization, filtration  
and distillation in  
the field...*



If at all possible, all water, even that from clear running mountain streams, should be sterilized before use.

By Bill Kumpe

**T**HE human body is mostly water. Given varying conditions of size, health, environment and workload, every human being on earth must consume somewhere between two quarts and two gallons per day to survive.

Given this fact, it is good that the earth's surface is roughly two thirds water. Unfortunately, it is not distributed equally. The majority is saline (salt). Much of the balance is polluted. A lot more is just plain dirty.

Acquiring the skills necessary to locate and make potable (safe to drink)

water using expedient methods with material found in the field should be high on the survivalist's agenda.

Many companies produce excellent devices for the field purification of water. This article is not intended to try to replace these devices. If available, they take less work and/or produce a safer product than field expedient methods. This article is intended to convey some basic information which could widen your margin in a survival situation.

For the purpose of this article there are three types of water contaminants: bacteriological, viral and parasitic organisms; suspended solids; and dissolved chemical or mineral substances.

Bacteriological, viral and parasitic organisms are living creatures which reside in the water — germs, microscopic "bugs" and larvae which can reproduce in a host creature. These contaminants make you sick by giving you a disease. They are usually invisible and have no discernible odor, texture or taste.

Suspended solids are things like dirt, organic matter and the like which are dissolved or suspended in the water — muddy water or "black water" from a swamp. By themselves, these contaminants may or may not make you sick, but they may be present with the other types of contamination. They are usually visible and have a discernible odor, texture and taste which makes the water unappealing for consumption.

Dissolved chemical and mineral substances are the results of natural leaching from mineral deposits and man-made pollution — alkali springs or flow from an old mining site. They make you sick by poisoning you. These contaminants may or may not have a discernible odor, texture, or taste depending upon the substance present and its concentration in the water.

**Purification Theory** — There are three types of water purification most

commonly recommended for field expedient use: sterilization, filtration and distillation.

Sterilization kills the living organisms in water. The two most common methods are heat and chemical additives. If no other contaminants are present, simply boiling available water can make it safe for consumption. It should be boiled for several minutes. Pouring back and forth between clean containers several times will improve the "flat" taste by re-introducing air driven out by the heat.

If time, fuel or the tactical situation do not allow water to be boiled, then chemical methods may be used for sterilization. Aside from commercial preparations, carefully measured doses of iodine or chlorine bleach can be used to good effect.



Even water sources such as wells or springs that locals use without problem should be sterilized. Residents often develop an immunity to "local bugs" that will put an outsider in the hospital.



Two to four drops of regular chlorine bleach per quart of questionable water will kill much if not most of the bacteria in it. Simply add the measured amount of bleach and let it sit for half an hour or more. This method produces better tasting water than iodine, but is ineffective against some semi-tropical and tropical bacteria and hepatitis.

Eight drops of tincture of iodine per quart of questionable water will kill just about everything swimming there after sitting for a half an hour — longer in cold temperatures. It will have a strong iodine taste, and I wouldn't recommend it as long term practice, but it will sustain life and keep you strong enough to move on and improve your situation.

There is one major disadvantage to sterilization. It does nothing about suspended or dissolved substances in the water. Boiling chemically polluted water simply increases the concentration of contaminants and makes it more toxic. Adding chemicals to chemically polluted water simply puts another ingredient in the "cocktail." Boiling and/or adding chemicals to swamp water may make it safe, but do nothing about its soupy texture, foul smell and bad taste.

Filters strain out contaminants. The finer the filter, the purer the water.

Commercial filtration units can produce appealing, potable water by themselves. Expedient filters produced in the field from the materials at hand are another matter altogether. While field expedient filters (such as the "shotgun filter" described later) can remove much suspended material from water and make it more pleasant to drink, I would not trust one to remove chemical contaminants unless there was no other choice.

The "shotgun" filter, so called because of the resemblance of its contents to a shotgun shell's, can be fabricated from almost anything at hand in the field. The illustration is self explanatory. If sand, gravel or stones are not available, pine needles or simply more charcoal can be used. Anything from a clean sock to the discarded soda bottle shown can be used as a housing. Two holes punched in the sides opposite each other allow the unit to be hung by a piece of rep cord or other stout twine from a convenient branch.

Use is equally simple. Pour dirty water in a hole cut in the top and collect cleaner water from the opening in the bottom. If at all possible, I would sterilize the water taken from the filter as well.

Distillation removes all contaminants and produces remarkably pure and appealing water. Two types of distillation are recommended for field use: low heat (solar) and high heat (pressure vessel).

These days, almost everyone is familiar with the clear plastic covered, inverted cone shaped hole in the ground, solar still. Properly constructed, one can literally pull usable quantities of water from the air and soil. Their output is small however and several may be required to produce quantities sufficient to support life. They also require a lot of time and work to set up.

The addition of polluted water or freshly cut foliage to a solar still can greatly increase its output. One method being taught by the latest editions of U.S. military survival manuals skips the hole in the ground altogether in favor of placing foliage in one end of a large plastic bag and arranging the bag in such a way as to collect the distillate in the other end.

The solar still illustrated will produce usable quantities of potable water if properly constructed and there is enough heat and sunlight to operate it. It has the advantages of being very

light, portable and inexpensive. You will need a black, heavy duty trash bag, a sheet of clear plastic large enough to enclose the trash bag, about 24 inches of plastic tubing, a couple of twist ties and something to catch the distillate in.

Start by putting about a half gallon of dirty water in the trash bag. Then put the trash bag, water and all, inside the clear sheeting as shown. Insert the plastic tubing and tie the whole bundle tight around the tubing in two or three places. Place the free end of the tubing into the clean water receptacle and seal with a piece of tinfoil, a bandanna or whatever is convenient.

Arrange the dirty water bag for maximum exposure to sunlight. Place the clean water receptacle in the shade of the unit. Use of a thermal blanket as a reflector as shown in the photograph will increase the unit's efficiency. High heat distillation requires equipment, fuel and time, but is much faster than solar. 1930s explorers Dana and Ginger Lamb described their water distillation efforts this way in their book, *Quest for the Lost City*:

"With water often the most pressing problem, there was one aspect of civilization which followed us... From the Marquesas to Mazatlan, from the Antipodes to the Azores, I doubt if there is a beach on which you can't find, tossed

(Continued on page 46)



Field expedient filters such as the one shown will not purify water, but will make it more palatable.





## TO THE POINT

(Continued from page 6)

Edmond, Oklahoma, Post Office in a shooting rampage before killing himself.

Joseph Wesbecker, who went on a shooting rampage in 1989 at a Louisville, Kentucky printing plant where he used to work, used the same type of weapons Purdy used to kill and wound numerous former co-workers and to kill himself. In his home afterward, police were reported to have found a copy of *Time* magazine opened to a big story about the Purdy massacre.

George Hennard was said to have hated women, whom he referred to as "vipers." He committed the massacre in Killeen just after a week-long media event had unfolded in Washington at the Senate confirmation hearings for Supreme Court Justice Clarence Thomas. Anita Hill, a former federal employee who had worked for Thomas, appeared and testified in detail about alleged sexual harassment by Thomas some 10 years earlier. This event, clearly a desperate attempt by the so-called "liberals" in Congress to force the conservative Thomas to withdraw as a candidate for the high court, was whipped into near hysteria by the media.

The manager of a convenience store and grill that George Hennard frequented outside Belton, Texas, where Hennard lived, told the *Temple Daily Telegraph* newspaper that Hennard became enraged when, watching television at the grill the day before the massacre, he saw Anita Hill testifying. "It was like (Hennard) was throwing a tantrum," the manager said, adding that Hennard jumped up from his seat and screamed an obscenity at Hill.

Not to denigrate the problems of women regarding sexual harassment, but the media, heavily influenced by the feminists, has been the source of unprecedented attacks on males over the years to the point where some males feel under siege, angered and frustrated. George Hennard may have been someone particularly bothered by the Hill allegations which were all over the media. Ultimately, Hennard must be blamed for what he did. But he may have been provoked by the intense media play given to the sexual harassment controversy — *Jim Benson*.

## Expedient Water Purification

(Continued from page 45)



Solar stills take time, energy and equipment, even simple ones such as the one shown. It has been the writer's experience that they require considerable solar radiation (heat) to produce usable quantities of water.

up among the driftwood, empty five gallon cans.

"We'd set up our own distillery, using a short piece of copper tubing we've never traveled without... We worked for our water those times. First, we'd boil salt water in the cans until they were thoroughly clean. Afterward, the two cans had to be sealed as much as possible so that the major part of the steam from the boiling hot water would find its way through the copper tube to condense in the second can..."

"Moonshiner" type stills, such as the one described, present two prominent dangers: explosion and poisoning.

The user should be very sure that the "coil" is not plugged or pinched closed in some way and that there is a way for a high pressure steam build-up to be relieved. I would recommend using cork shaped, plug type connections that will blow out before a can explodes.

Only copper or glass tubing should be used and all connections, fittings and vessels should be free of solder, galvanized metal or any other reactive substance. Stills of this type were

notorious during the 1920s and 30s for blinding and killing bootlegger's customers by metal poisoning.

**Purification Strategies** — In the end, the method or combination of methods you will use in a survival situation will depend upon your assessment of the risk, your knowledge of the area, and the time, energy and materials available.

Personally, if I am in a remote area, far from known sources of chemical pollution and the water appears clean and fresh, I simply sterilize it. If the water is muddy, colored or soupy, I filter it and then sterilize it.

I avoid situations where distillation is necessary to make the water safe and would use the method only if there were no other options available. I would however, if camped for a long period by a muddy or swampy water source during warm weather, try using a solar still rather than going through the filtering and boiling process a couple of times per day.

With luck, the only time that you will ever use these skills is in practice. But, if the time does come that you need them, your investment of time and energy in learning them will certainly add to your survival margin and just could save your life. ●



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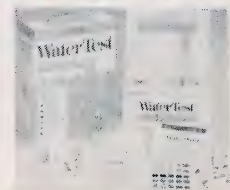
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# Tanker Garand

*All G.I. parts except new 7.62 NATO barrel and new hardwood stock...*



7.62 NATO ammunition fits perfectly in the 8-round standard Garand ammunition clips.



The single jam experienced during test firing.



The 7.62 NATO Tanker is 5 inches shorter and 19 ounces lighter than standard M1 Garand.

**I**F you own one of the surplus military M1 Garand rifles and it's not in the best of shape, you may be interested to know you can have it reconditioned or "Tankerized" — cut down in size to the Garand Tanker models, making it a great brush gun.

You can send Federal Ordnance, Inc. (1443 Potrero Ave., So. El Monte, CA 91733; 818-350-4161; fax 818-350-444-3875), your rifle and for \$134.95 they will install a new military specification (24-inch) barrel — in either 30.06 or 7.62 NATO calibers, restore original accuracy and metal finish

(re-blueing).

You also have the option, for \$169.95, of Tankerizing your gun. Fed Ord will install a renovated short (18 inches) barrel, a modified operating rod and gas port and new Mid band and fiberglass handguard. You can order a completely new short barrel in either 30.06 or 7.62 NATO as an option in the Tankerizing if you'd prefer.

Additionally, Fed Ord is selling renovated standard Garands and Tanker models in either caliber for \$389.95 and \$429.95, respectively.

We recently obtained the loan of one

of the Tanker specimens in 7.62 NATO (.308 Win.) caliber. The barrel twist is the same for both calibers: R.H., 1 turn in 10 inches. Our sample has a new barrel, beautiful new hardwood stock and fiberglass handguard.

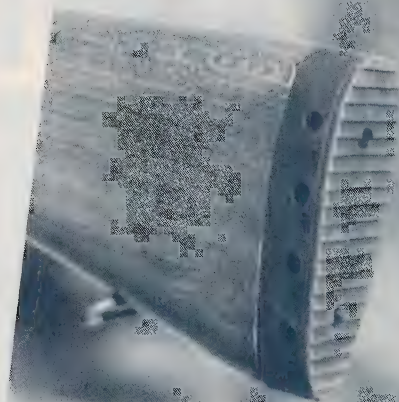
Its weight empty is 8 pounds and 10 ounces. Overall length is about 38 inches, including new hard rubber butt pad. Sight radius is about 22 inches. Except for the new parts, everything else on the gun is strictly G.I. issue and in very good shape.

The 7.62 rounds fit perfectly in the surplus 8-round in-block Garand am-





Results of some quick shooting with shoulder-aimed fire from 100 yards aiming for center of mass.



The hard rubber butt pad on the Fed Ord Tanker.



The excellent G.I. fully adjustable sights.



munition clips which originally held 30.06 ammunition.

Taking our gun to a firing range we ran several boxes of Portuguese military specification ball ammo through it with only one jam, a failure to extract and one instance where, after a shot was fired with a loaded magazine, the empty case was extracted and ejected but the bolt then closed on an empty chamber. We removed the clip with remaining live rounds and examined it and reloaded it fully, replaced it and continued firing with no further problems. The failure to feed may have been due to improperly seated rounds

in the clip. Otherwise, the rifle worked perfectly during test firing.

After setting up some small rifle targets at 100 yards and spending some time zeroing the sights, we were having trouble adequately sighting on the targets because they were too small for us to see well without a scope at that distance and with a sandy colored background. We switched to a man-sized black silhouette target.

With the rifle pretty well zeroed we then had no trouble, doing some fairly fast shooting with shoulder-aimed fire, in hitting the center of mass area of our silhouette target.

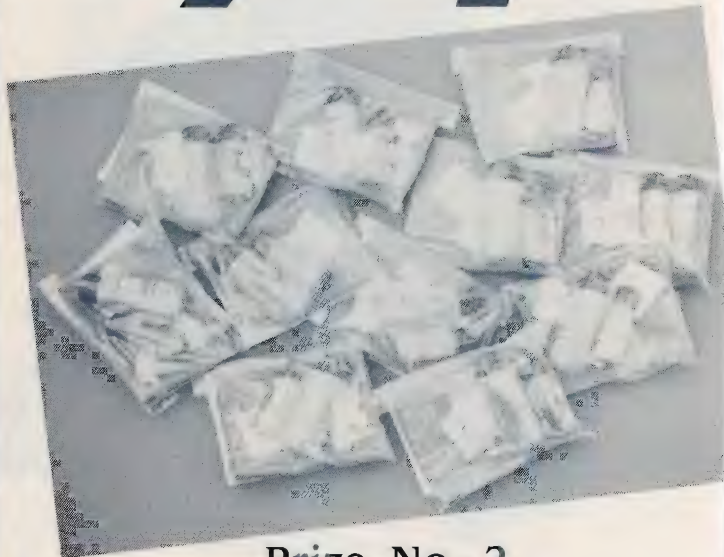
Other, more steady and slow shoulder-aimed firing from a rest at sand-filled plastic bottles and cans set up 100 yards away gave us repeated hits on these small items.

While the Fed Ord Tanker is on the heavy side, that weight helps tame the fierce recoil experienced with the powerful 7.62 military round in the shorter barrel, and it's still some 19 ounces lighter and some 5 inches shorter than the big, heavy .30.06 caliber M1 Garand. We find this Tanker a rather compact, accurate and reliable powerhouse in the Garand configuration. ●



# ASG 1992 No. 1 Giveaway

**F**ill out the accompanying coupon, and include payment with subscription orders or current subscription extensions. All ASG 1992 Giveaway No. 1 entries should be printed or typewritten on the official coupon, or a reasonable facsimile from this magazine. A facsimile entry is acceptable and valid, as long as it contains information required with the subscription or extension order/entry form. The ASG Giveaway is open to any resident of the United States. Federal law requires that only U.S. citizens are eligible to receive a firearm prize. The prize winner must not be legally restricted from receiving or possessing a firearm. This contest offer is void where prohibited by law. Employees of McMullen & Yee Publishing and its subsidiaries or subordinate agencies, agents and members of their immediate families, are not eligible to enter the contest. There is a **LIMIT OF ONE ENTRY PER PERSON** for this contest. Duplicate and/or multiple-copy entries, when detected, will be disqualified and discarded. The prize winner will be selected in a random drawing of the coupons submitted for this contest. The drawing will be conducted at 2 p.m. April 30, 1991. Entries received after April 29, 1992 at 4 p.m. will be invalidated and discarded, though subscription orders will be honored by McMullen & Yee Publishing. The prize winner will be notified by telephone and/or mail within one week of the drawing. The firearm prize winner will be required to arrange with a local federally licensed firearms dealer to accept delivery of the prize. The winner will be required by the firearms dealer accepting the prize to fill out all necessary federal, state and/or local firearm purchase and/or transfer forms. To receive this prize, the winner must meet **ALL** federal, state and/or local requirements for firearms ownership. The winner must be 18 years of age or older. **NO EXCEPTIONS.**



## Prize No. 2

A quantity of 36 Gunny Ragg Combo Packs. Gunny Ragg Products 1027 Elk Street, P.O. Box 2696, Dept. ASG, Rock Springs, WY 82902; (307) 362-7626. Each combo pack contains a two ounce bottle of "Gunny Ragg PTO" penetrating oil type powder solvent containing Teflon. Gunny PTO works well with 0000 steel wool for lead removal. Another item in the pack is "Gunny Ragg" a 100 percent cotton flannel rag impregnated with a light Teflon bearing solution. A one ounce bottle of "Gunny Lube," a high-quality petroleum based oil with Teflon, is also included and is ideal for keeping blueing rust free. Each combo pack comes in a resealable plastic bag that will fit in any small gear bag or case. Retail value is \$225.

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## Prize No. 1

The MBK-9HPC semiautomatic pistol from K.B.I., Inc., Dept. ASG, P.O. Box 6346, Harrisburg, PA 17112; (717) 540-8518; fax (717) 540-8567. Made in Hungary by FEG and imported by K.B.I., this handsome and compact recoil-operated handgun has a design based on the world renowned Browning Hi-Power semiautomatic pistol but with important improvements. Most particularly, it is a double-action semiautomatic pistol with a slide mounted safety decocker which safely lowers the hammer on a live round in the chamber while at the same time blocking contact between hammer and firing pin. Introduced in the U.S. in 1991, this gun is all steel except for the hand checkered walnut grips and has a blue finish. Magazine capacity is 14 rounds. Sights are a fixed U-notch rear and front blade. Sight radius is about 6 inches. Weight is 35 ounces with empty magazine. Overall length is 7½ inches. Barrel is 4 inches. Height is 5⅞ inches. Width is about 1⅛ inches. Includes gun, two magazines, cleaning rod and owners manual. Retail value: \$400.



## Prize No. 3, 4

Prize No. 3 is the Recon Scout combat knife from Special Projects, a division of Cold Steel (for information, a free Special Project catalog or orders call toll free 1-800-255-4922). A superb new combat bowie, the big, tough, razor sharp and versatile Recon Scout has identical Carbon V steel, heat treatment and construction to the world-famous Cold Steel Trail Master, but with a handsome baked-on, non-reflective black epoxy coating and high cantled (upward curving) edge buffed to a keen sharpness. U.S. and allied troops carried the Recon Scout during Operation Desert Storm. Weight: 15 ounces. Overall length: 12.5 inches. Blade: 7 inches long, 1.25 inches thick. Handle, black checkered Kraton rubber. Full tang is 5/16 inch thick.

Comes with handsome, ambidextrous black nylon sheath suitable for belt or web gear. Value: \$130. Prize No. 4 is the Mamba 7-L, a lighter, more compact version of the original Mamba combat knife from Blackjack Knives (Dept. ASG, 1307 W. Wabash Ave., Effingham, IL 62401; 217-347-7700). The Model 7-L was developed after hundreds of requests for a smaller version of the famous Mamba. The construction of the full tang knife is 400 series high carbon stainless steel at 55-57 Rockwell. Hand ground convex edge is razor sharp and easy to maintain. Overall length is 13 inches. Blade is 3/16 inch thick and 7 inches long. Weight: 12.2 ounces. Handle is black Kraton rubber. Comes with high quality black Hunter Leather sheath. Value: \$80.



## Prize No. 6

72 Hour Waist-Pak with Solar Dynamo AM/FM radio. NITRO-PAK Preparedness Center, 13309 Rosecrans Ave., Dept. ASG, Santa Fe Springs, CA 90670; (800) 866-4876 or (213) 802-2635. Designed for easy carrying of survival supplies in the event of evacuation or disaster. Provides one person with important items for three days including food and water. Contents include: 2400K ration bar, nine water pouches, emergency space blanket, poncho, flashlight, first aid kit, survival candy, 15 function knife, heat packs, tissue packs, wet wipes, refuse bags and a Solar Dynamo AM/FM radio. Retail value is \$64.95.



## Prize No. 5

Four Belt Bag Holsters from KG Products (Dept. ASG, P.O. Box 1555-A, Inyokern, CA 93527; 619-377-3292 or toll free 1-800-944-7717). Included are one #3 size black leather holster (\$49.95—will hold Ruger SP 101, 2½" S&W K frame, S&W 6900, 3913, 4516, 4013, Star PD, Colt Officers ACP, Glock 19), two #2 size nylon holsters — black and fuchsia and gray and electric blue — (\$19.95 each, will hold 2" S&W RB J frame, PPK, PPKS, Colt Gvt. 380, STARFIRE 9mm and most stun

guns), and one solid navy color #4 size nylon (\$24.95, will hold Colt Commander, Ruger P85, SIG 226, Beretta 92 Compact, Taurus Compact, S&W 39 & 59, Glock 17, Browning HP and most 3" RB revolvers). The Belt Bag Holster allows you to carry concealed anytime, anywhere (check on legality in your area—you may need a license to carry concealed). You can carry your money, valuables, MACE, Stun gun or a handgun in the false back. Grab and rip open the Velcro and snap closure for instant access. Carry other items in the zippered front pockets. Total value of this prize: \$115.





# Home Burglar Alarm Systems

Wired:

Protecting your home and goodies...

By Bob Pribusauskas

**T**HE insurance will replace some of it, but I sure will miss my Dad's old hunting knife."

I wish I had a nickel for every time I've heard something like that.

Any building can be broken into, given enough time. Even bank vaults which are made to be as burglar proof as possible get raided on a regular basis. The best a homeowner can do is beef up the physical security of his home and add an alarm system to scare a burglar away and to dispatch someone to deal with him. An alarm system isn't a perfect answer but it is a good first step.

We all have spent a lot of time and money getting our home or retreat stocked and ready for whatever the future may hold. A home security plan can help make sure your stashed goodies will be there when you need them. Home security has three major components. First there is outside physical security, the second is our alarm system and the last is inner physical security.

Outside physical security is meant to prevent someone from getting into your house. Actually it serves to slow down the burglars breaking into your house and force them to make enough noise that someone honest might hear them. Steel doors, window shutters, deadbolt door locks, window bars and roll down steel barricades are common examples of outer physical security.

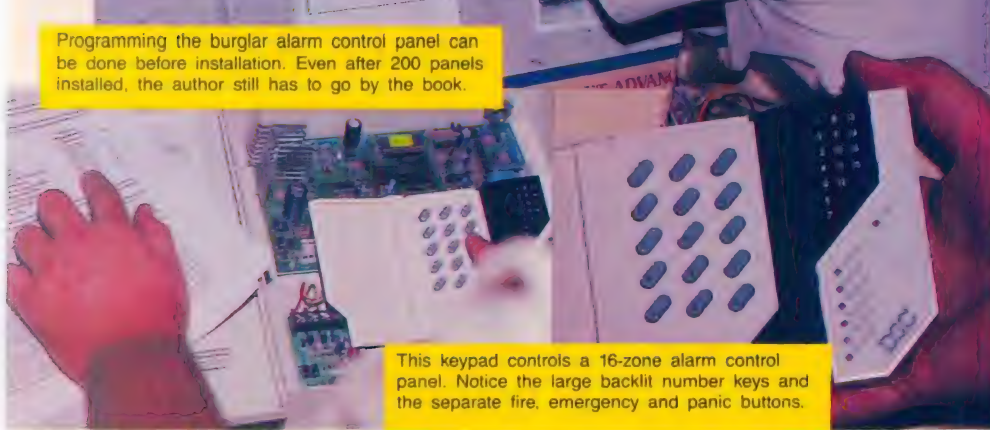
Inner physical security is the way you are probably protecting your treasures now. Wall and floor safes, gun safes, secret panels in your walls, money in the freezer, envelopes taped under furniture (thought you were the only one who knew that one did you?), fake electrical receptacles, and empty coffee cans. By the way, putting your favorite pistol in your underwear drawer does not fall into the category of inner physical security. The purpose of inner security is to delay the bad guy, giving your alarm system time to



Special extra long flexible drill bits are available to make fishing wires easier.



Barrier bars do a good job of protecting cellar window openings. Note the spring that holds the assembly in place and also causes the bar to pop out when touched.



Programming the burglar alarm control panel can be done before installation. Even after 200 panels installed, the author still has to go by the book.

This keypad controls a 16-zone alarm control panel. Notice the large backlit number keys and the separate fire, emergency and panic buttons.



notify the good guys.

One nice feature of modern alarms is that they can be set up to notify anyone WE CHOOSE so we can even decide who will be the good guys that respond.

Alarm systems have been around for quite a while. Even modern electric alarm systems go back to the 1850s, well before the invention of the telephone.

Samuel Clemens (Mark Twain) wrote a short story about his alarm and his problems with it. The alarm industry has come a long way since Mark Twain's cantankerous alarm was installed. Alarms installed with reasonable care with good quality equipment do exactly what they are supposed to do. Cheap equipment or inattention to detail can cause false alarms or worse, no alarm when needed. If you can't afford to have your alarm professionally installed find a small independent dealer that has been around for more than five years and see if you can buy the equipment from him and pay him to help you if you get stuck.

Home alarms break down into three basic parts: detection, control, and reporting. Detection is the part of your alarm that senses an intruder. Designing an effective detection system is where your alarm installer earns his money. My normal procedure is to install a concealed switch in each outside door and run the wires back to the control panel.

Concealed window switches are installed in places that I think are likely spots for forced entry, like over a bulkhead or behind a large shrub. Window and door switches that are on the outside walls of a building are called perimeter protection in the jargon of the alarm industry. Interior detection is then added to the system to prevent the bad guys from doing the unexpected and getting away with it.

Interior protection is usually some type of motion detector or as we lump it in the industry "space protection." Most homes cannot be physically hardened on the outside due to aesthetic and monetary problems. For example my wife will still not let me install ½-inch steel plate shutters over our kitchen windows no matter what color scheme I promise to paint them. I have seen houses broken into through holes cut through the roof and side walls. This is a very effective way to get around my carefully installed door and window switches! Attic vents, cellar windows, door panels have all been used as bad guy entries. A popular

entry method in my home area is to carefully break all the glass out of a window frame and then crawl in without raising the window sash.

Space protection senses movement inside your home, no matter how it got in there. Modern space protection is usually carried out with passive infrared detectors. Passive infrared detectors actually "see" a heated body moving through an area. A quality passive will cost around \$100 and it is worth every penny. Passive infrared detectors can be purchased to look over a wide area (typically 50 by 50 feet), a long narrow beam (100 feet) or even with pet corridor so a dog or cat can walk under a beam while a taller intruder will be seen.

Control is the equipment that tells the alarm how to work, and what to do. Most alarms are controlled at a keypad. Why the industry still calls this device a keypad is beyond me. I haven't put in an alarm keylock in 7 years. "Key" pads have a number of push buttons on them to allow you to enter your alarm combination. Once the correct combination is entered the alarm turns off or on. The keypad allows the user to talk to the control panel.

Key pads, in turn, display information to us using indicator lights to show the condition of our system. Each area of detection or zone is annunciated at the key pad. The control panel is the magic box that is the brains of your alarm. It watches the condition of your detection devices (zones) and remembers whether you are home or not and signals someone if there is a problem. It monitors things like the house power source, the condition of the backup battery, the integrity of the telephone line, the wiring to the devices, and the zone status (open or closed). It also does other house keeping chores like charging the backup battery, keeping record of previous alarms, and running the indicator lights at the key pads. It is always ready to start the reporting procedure when needed.

Reporting is what happens when the alarm goes off. State of the art control panels are computer controlled and can be programmed to report in a number of different ways. The first line of defense in an alarm system is noise, noise, and more noise!!!

Nothing is more disappointing to a home owner than an anemic (cheap) siren. Two electronic sirens are normal, one inside the protected area and one with the noise heading outside. Second line is off premise signals. Some areas have a direct leased telephone

line to the Police Department or centrally located monitoring facility. Any home that has a telephone can be monitored by a central station using what is known as a digital dialer. This method is so common almost all alarm panels have this equipment built in. Long Range radio and cellular phones can also be used to provide higher security as they have no wires that can be cut. Other possibilities would include turning on house lights or flashing lights and notifying your next door neighbor via low power radio to come on over with his shotgun to investigate! If you are way out in the woods an alarm operated tear gas canister can really be an effective option, (check with local authorities for legality).

**Installing An Alarm** — Let's try to follow what is involved installing a simple alarm in your small house.



Surface mounted magnetic switches work well where looks don't matter. They are also used when an alarm installer wants to give burglars the message that "an alarm is installed here."

After talking, we decide to protect 2 doors and install 2 motions, 2 sirens, 2 low voltage smoke detectors, and 2 key pads. At my insistence we agree to protect the cellar openings. You claim that there is nothing worth stealing down there so I remind you that I am planning to run most of the alarm wires in the cellar and possibly mount the control panel there also. One rule that must be followed is that the alarm control panel must be located inside the protected area.

One motion detector will be set up at the end of the hallway to look down its length. This placement works because our crook can only carry so many things and he will tour your home with

(Continued on page 71)



# 12th SOF Convention & Expo

Las Vegas:

*Guns, knives, ammo, militaria, survival supplies, clothing, books and a lot of other neat stuff at the Expo, along with fascinating seminars, shooting competition, firepower demo...*

Staff Report

**L**AST September, for the third year in a row, ASG participated in the annual *Soldier of Fortune* Convention and Exposition held at the Sahara Hotel in Las Vegas.

Although it's a lot of work hauling our exhibit out there and working the three-day Expo, it's also a lot of fun

meeting old friends and new ones too, showing our flag, so to speak, and checking out all the great things at the other booths and tables.

Last September's event was no exception. It seems to get bigger every year. There were more than 13,400 people who attended the 1991 Expo over the

three days (Sept. 20, 21, 22) it was held at the Space Center in the Sahara Hotel. During that week, nearly 600 conventioners attended numerous seminars on such topics as "Narco-Guerrilla Warfare Into The Year 2,000," "Combat Rifle Marksmanship: Techniques & Training," "Combat Medi-



There were lots of good deals to be had at the Expo.



Some of the guns on sale and display.



A military vehicle from Desert Storm was on display.



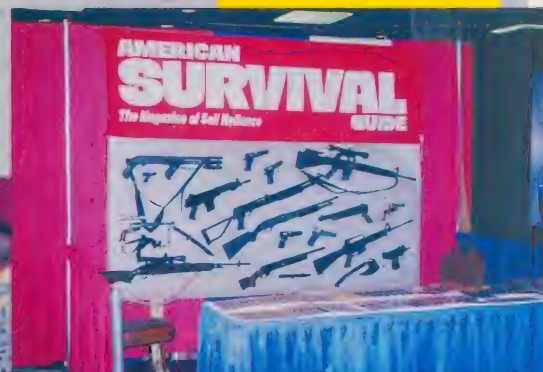
Some of the booths at the Expo. Clockwise from upper left: Mitchell Arms; Framed Protection; Survival Books.





The ASG booth at the Expo

Machine gun crews prepare to fire on dynamite and gasoline bombs at the firepower demo.



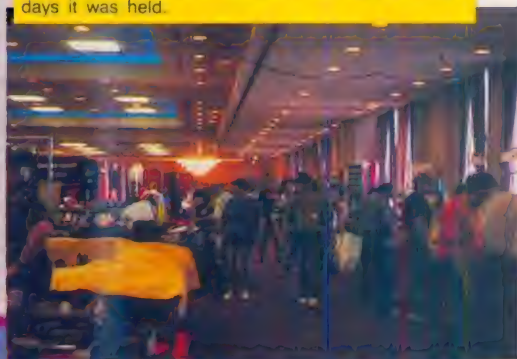
cine Workshop," "Reporting Cambodia," "Afghanistan's War Today," and "Leading Grass Roots Gun Rights Activist Groups." There were also the annual Three-Gun International Match in which more than 200 competitors took part, other shooting matches, Desert Storm Combat Rifle Marksmanship Training, Evasive Driv-



# 12th SOF Convention & Expo



The Expo was well attended on each of the three days it was held.



Firing begins and the dynamite-gas bombs are set off.

Some of the explosive demonstrations were spectacular.



ing, Military Knife Fighting, SOF Pugil Stick Competition and other fun and interesting activities, including the annual SOF Firepower Demonstration.

At the Firepower Demo, hundreds of

people showed up in the desert heat at a gun range outside Las Vegas to watch exciting demonstrations of full-auto and silenced weapons, heavy machine guns and high explosives.

Next year the event will be held at the Sands Hotel Exposition and Convention Center in Las Vegas during the third week of September. We hope to see you there. ●



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# Aging and the Martial Artist

Self Defense:

*A continual refining process can compensate for physical slowdown due to aging...*



**CHOP** — Grabbed from behind by a knife-wielding assailant, McSweeney chops instantly to larynx as he steps in. This Kung-Fu chop cuts right through the target in a freewheeling circle which produces twice the power of a linear-type Karate chop. The hand bent back towards the wrist permits no recoil, which occurs if chopping with the side of the hand.

**By John McSweeney**

**A**GING is usually associated with declining competence in sports. Very few professional athletes compete in sports like baseball or football once past their thirties. Skill in the martial arts, however, often improves with age and it is quite common to find practitioners in their sixties, or even seventies, who are better today than ever. Gene LeBell, Wally Jay, Gene Chicoine

and Jimmy Woo come to mind as examples of older martial artists who could handle themselves well in any self-defense situation.

What makes this so? One explanation is that being a martial artist is something intrinsic, a part of the personality and, therefore, as long as one continues to train, one is a martial artist and will remain so till death. Skill in some sport, on the other hand, is extrinsic to the personality and consequently its influence on self-image is short-lived, existing primarily during one's playing days.

An ex-college athlete may talk of former glories, "what a great quarterback I was back then," but he is signally aware that he is talking of the past, not the present. The martial

artist, however, carries his prowess with him regardless of his age. He is always a martial artist and what he can do now is what counts. Since his art is part of what he is, he tends to hone it and improve it over time. It is this continual refining process which compensates for the physical slowdown that accompanies aging.

The word "martial" comes from Mars, the god of war, so it is natural for a martial artist to be interested in every type of war-like skill that relates to self-defense. Because he may be called on to defend himself at any age, his training should be geared to the long haul. Any techniques which harm the body, and thus hasten the aging process should be studiously avoided. Hard falls, high kicks and heavy-bag



workouts are examples of techniques to be shunned as one ages.

Those who do continue to practice as they age are a select few. Most martial artists practice their art only while they are young and drop out completely once their tournament-competition days are over. Those who do remain usually become teachers and teaching affords them plenty of opportunity to work out with partners or with the group.

What about those who don't teach but still want to practice on their own? Any training regimen they select should meet the following criteria: 1.) It can be practiced alone; 2.) It does not damage or wear-out the body; 3.) It offers a high level of self-defense skill throughout one's life span.

Throwing and grappling arts like judo and jujitsu require a partner for effective training so they don't fit the bill. High-kicking eventually wears out knee, hip and sacroiliac joints, so any Karate or Kung-Fu system which is based on high-kicking is unsuitable for life-long training.

The training regimen that meets all three criteria is one based on simple *hand-striking* techniques. Since arms weigh less than a third as much as legs, it is easy to maintain hand-striking speed over the years without wearing out elbow or shoulder joints. Impact equals mass times speed squared, so when it comes to striking power, speed is the critical ingredient. High-speed hand-strikes, then, offer the power needed for effective self-defense. As an added bonus, hands are more accurate than feet and are closer to key targets in the head and neck.

**The Strikes** — Among the most effective hand techniques are the following: 1. Chop 2. Heel Palm 3. Leopard Palm 4. Fist 5. Half-Fist and 6. Up-swing. A few finger, elbow and knee strikes plus three low kicks are added to the six hand techniques to round out the regiment. NOTE: Perform all of these strikes from a boxer's stance.)

1. Chop — Open the hand, curl the fingers slightly, cock the thumb; bend hand back towards the wrist. The striking surface is the meaty section at the bottom of the palm and adjacent wrist bone. (DO NOT use the side of the hand as the striking surface, as it will "give" upon impact and thus diminish the force of the blow.) To chop to the right side, the right leg is forward. If chopping to the left, the left leg leads. Hold the hand palm up near your rib cage, then swing it forward and around

in a circular motion, turning the palm down just before impact.

Think of cutting right through the target and let the hand swing backward as far as it can go. Power comes from the circular movement of the hand, pulled by the shoulders and back and augmented by turning the waist. Move the body center towards the direction of the chop.

To chop downward, bring the hand back, up and down, completing a full circle. Power comes from the shoulder and back as well as the body center, which drops just as the hand hits the target. Start with wide chops to develop the muscle structure, then work short chops with elbow bent. Targets are the larynx, vagus nerve on either side of neck, cervical vertebrae and brain stem at back of neck.

2. Heel Palm — Curl fingers and bend hand back toward the wrist. The striking area is the base of the palm. Chamber the hand near your shoulder then thrust it forward, getting power from the shoulder and back. Move the body center forward simultaneously. Be sure the strike is straight, with no "fishtailing" effect. Unlike the fist, which pivots on two axes and must therefore be perfectly aligned to prevent "give," the Heel Palm allows no "give," so all of the blow's force is transferred to the target.

Targets are base of nose, jaw, eye-socket and forehead between eyes.

3. Leopard Palm — Curl fingers and bend hand back. Striking surface is the base of palm. This strike is like the chop, only in reverse. Power comes from the circular movement of the hand, pulled by the shoulder and back and augmented by turning the waist and moving the body center down, in conjunction with the strike. The hand loops up, over and down, smashing right through the target. (This is the same strike as Rocky Marciano's looping right which was responsible for most of his K.O.s. He normally hit the skull or jawbone and occasionally broke his thumb because, as a boxer, he hit with a clenched fist.) Targets are bridge of nose, temple and upper skull.

4. Fist — Fist strikes include the jab, cross and side-fist. Hands should be chambered close to face. Snap the left jab in and out getting power from the shoulder. Step in with the left foot simultaneously and the body center's movement forward will greatly increase the jab's force. The right cross gets its power from torque as the waist, back and shoulder turn into the blow. Striking surface for both jab and cross is

the first two knuckles and the fist should be turned before impact. Targets for jab and cross are the face, head and ribs.

The side-fist uses the middle knuckle as the striking surface. Power comes from driving the hand forward like a battering ram, using force from the shoulder forward as you hit. Holding the fist sideways instead of turning it down keeps the elbow tucked-in, thus maintaining alignment of fist, wrist and forearm with the shoulder. This causes the pile-driver effect which makes this strike far more powerful than the cross. It is known as the "heart-stop" punch and can easily break the sternum, its primary target.

5. Half-Fist — This strike is similar to the jab or cross except the striking surface is the second joint of the four fingers. Sole target is the throat, especially the Adam's apple.

6. Up-swing — Striking surface is the middle knuckle, so be sure to bend the hand back on the wrist before impact to avoid breaking bones on the top of the hand. Power comes from the shoulder as the hand moves forward, up and back to its starting position, completing a full circle. Moving the body center up simultaneously with the strike adds to the power. This strike is very fast and has twice the force of a boxer's uppercut. Targets are the jawbone or face, if bent forward.

Finger strikes include the finger whip, eye pokes and eagle's claw.

The finger whip gets power from the arm, wrist and hand as the tips of the fingers are whipped forward to strike the eyeballs. Poke with thumb, index finger or two fingers.

When using thumb or index finger strikes, be sure to support these weapons with the other fingers to avoid injuring them. Practice fast, short straight strikes, then work circular strikes with the five fingers held like a tiger's claw. Practice opening and closing the fingers held like a tiger's claw. Practice opening and closing the fingers and hand to develop grabbing strength.

The eagle's claw is formed by thumb and index finger. Strike forward like a snake and grab the back of the larynx, behind the thyroid cartilage. Squeeze the two fingers together to control and immobilize. Maintaining the tight squeeze and then pulling back rapidly can cause death. Develop squeeze power by opening and closing thumb and fingers, using great tension, at least 200 times a day.

(Continued on page 61)



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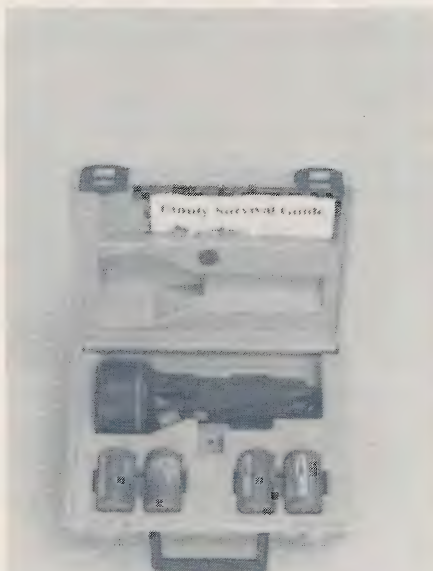
## Staff Report

**C**ODE RED D-Cell size batteries are designed to store for up to 20 years and still be usable as emergency sources of power.

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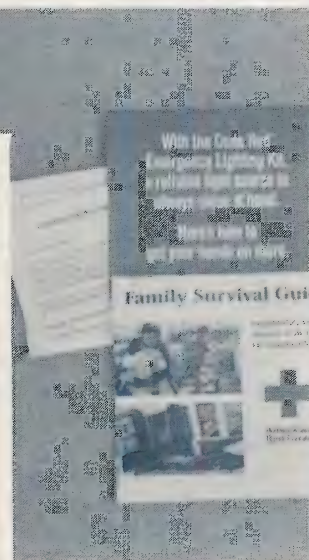
This kit is perfect for your car, truck, RV, boat or other vehicle or just as a back-up light source stored in your home, office, etc. Available for \$28.95 plus \$4.95 S&H from NITRO-PAK Preparedness Center, 13309 Rosecrans Ave., Dept. ASG, Santa Fe Springs, CA 90607; 213-802-0099; orders call toll free 800-866-4876. ●



Also included is this American Red Cross *Family Survival Guide* and forms for re-ordering the kit items.



Kit contains one specially designed CODE RED flashlight, four D-Cell size CODE RED batteries and one spare PR2 bulb.





## Aging and the Martial Artist

(Continued from page 59)

Elbow strikes include upward elbow to ribs or jaw, forward elbow to ribs or skull, and backward elbows to face or ribs. The elbow is the body's second most powerful natural weapon (after the knee). The forward, looping elbow strike moves forward, up, over and down, driving right through the upper skull or jawbone. The power comes from the elbow's circular movement, augmented by the shoulder, back and waist turn. To gain more power, drop the body center down and in the same direction as the elbow. This blow can easily knock out the largest opponent.

Knee strikes include stationary and jumping strikes. Practice driving the knee up as fast as possible, then practice driving it up and forward. Keep the calf and thigh as close together as possible to get maximum weight behind the knee. Targets are the groin and pubic bones. The "jumping" knee is an offensive tactic which has tremendous force. Jump forward on one foot and smash the opposite knee straight into the pubic bones. The entire body weight moving forward adds greatly to the power. The knee is the body's heaviest weapon and can easily break the weak pubic bones at their juncture or rupture the bladder.

Three low kicks used to round out the training regimen are the *thrust kick* to hip joint, the *Thai kick* to thigh bone and the *stomp/smash* to knee joint. The rear leg is used in both thrust and Thai kicks. Their main purpose is to close the gap to hand-strike range. The stomp/smash is performed with the lead leg and its purpose is to immobilize. ●

All practice should be through the air. Vary the speed of each strike from slow-motion to top speed. Hit imaginary points for increased accuracy. Work out twice a week, twenty minutes at a time. This simple, solo routine will keep muscles and joints in shape and will maintain effective self-defense skill through the years.

When it comes to tactics, don't waste time on defense. As soon as a situation warrants action, attack. The great 17th century Japanese sword-fighter, Miyamoto Musashi said: "Think only of the cut." Dobermans follow the same principle. They defend by attacking. They have only one weapon: teeth, and when they go for the throat or groin they are a frightening adversary.

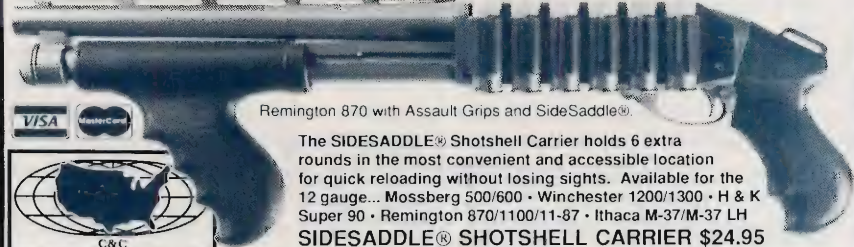
The aging martial artist can be a frightening adversary as well, so long as he trains regularly. If he trains alone, he would do well to follow the regimen covered here.

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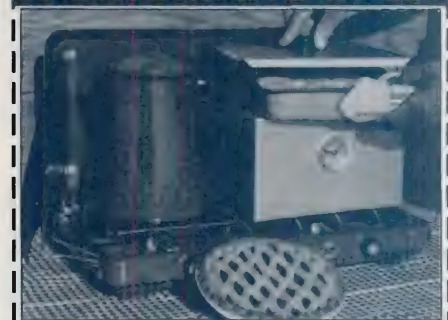
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# Calico Light Weapon Systems (Continued from page 63)



The Calico weapons are designed for ambidextrous operation and are easy to use for both left- or right-handed shooters.

zine and fired in 45 seconds. Use of the speed loader is obviously preferable to loading individual rounds into the magazines by hand which can be quite time consuming.

Proper spring tension for firing is achieved by turning the winder on the fully loaded 50-round magazine 10 turns and 23 turns on the fully loaded 100-round magazine.

The semiautomatic M-950 and M-951 are equipped with an ambidextrous, double-acting safety. The gun must be cocked before the safety can be activated. Activating the safety rotates a cam inside the action which both locks the trigger and prevents the striker from contacting the firing pin.

The guns are equipped with a click adjustable front post sight and a fixed

rear square notch. The rear sight can also be flipped rearward to replace the square notch with a peep sight ring. There are three white dots (two on rear, one on front) for low light firing. Two knobs, one on each side of the front sight, adjust the front post sight for windage and elevation. Each click of the left sight knob changes the point of impact about 2 inches in elevation at 100 yards. Each click of the right sight knob changes point of impact about 1/4 inch in windage at 100 yards.

**Test Firing** — I visited the Calico offices in Bakersfield, California, and with members of the Calico staff we traveled to a nearby shooting range where we test fired several of the Calico semiautomatic and select-fire weapons. These weapons are shown in accompanying photos, along with a number of accessories available for the guns.

I was able to observe and to personally fire these weapons, in both semiautomatic and full-automatic firing modes. All of the guns are easy to handle and shoot reliably and accurately.

We fired several boxes of ammunition through the guns with shoulder aimed fire at targets between 20 and 50 yards. Although not bench rest firing for pinpoint accuracy, it was easy to see that these guns are inherently accurate. None of us firing the guns ever missed hitting the metal circles set up on posts about 20 yards away. And trying the guns out at selected points on an earth berm about 50 yards from the firing line I consistently made hits where I was aiming.

The light recoil of the 9 mm cartridge is made even more so with the Calico muzzle compensator which acts to pull the gun forward slightly with each shot as well as put downward pressure on the muzzle during firing.

Only one or two jams were encountered during our test firing session with Uzi 115-grain full metal jacketed and Winchester 147-grain jacketed hollow point subsonic ammunition. The jams, attributed to the test guns having been fired extensively in this and previous testing sessions without cleaning, were quickly cleared and we were able to continue firing. Seeing that the guns were fairly dirty, I was impressed with how well they performed.

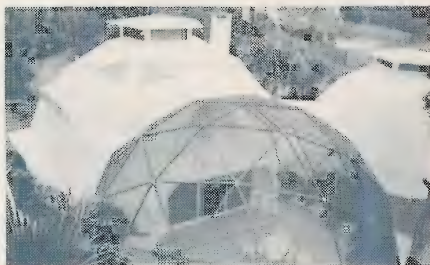
I find the Calico guns to indeed be innovative and unique, accurate, light in weight and dependable as well as easy to operate.

Calico is working on development of models of these fine firearms chambered for the .40 S&W and .223 Rem. calibers, plus a 12 gauge shotgun model. I'm eagerly awaiting the availability of these guns for testing. ●

## Calico M-950, M0951: Tech Specs

Caliber	.....9 mm Luger
Capacity	....50 rds., optional 100 rds.
Action	.....retarded blowback, CETME type, static cocking handle
Bolt	.....heat treated tool steel with steel striker
Operation	.....semiautomatic
Length overall	.....M-951 w stock extended 33.5 inches or 28.75 inches w stock closed; M-950 15.9 inches or 20.5 inches with 100-rd magazine
Barrel	.....7.5 inches M-950; 16.1 inches M-951
Rifling	.....6 lands & grooves, R.H., 1 turn in 12 inches
Height	.....6.9 inches, both
Width	.....3.1 inches, both
Sights	.....rear flip sight fixed notch & aperture; adjust. front post
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Weight	.....M-950 5.06 pounds with loaded 50-rd. mag.; M-951 7 pounds with loaded 50-rd. mag.
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# Wound Care

(Continued from page 28)

treat something such as a puncture wound to the foot from a nail, all you can do is to put ice on it along with a pressure wrapping and get to medical care. This is critical since if you are not already protected against tetanus, you will need to get an injection for such protection. If you are in the outdoors a lot, it pays to keep your immunizations updated.

The next skin wound is the AVULSION. This is where skin is pulled or torn off. As with an AMPUTATION, the severed tissue should be saved and taken with you to the hospital. If a finger, a pressure dressing over the stump or if skin, again a pressure dressing over the wound is about all one can do until medical facilities are reached. One other point should be addressed concerning "serious wound" dressings. That is, once a dressing is applied, leave it alone and do not take it off every 20 minutes to check the wound. If unnecessarily disturbed, all you will be doing is to undo the positive measures already applied.

**WOUND MANAGEMENT SUMMARY:** The first concern with any wound is to control bleeding. On the first aid level, this usually means through the use of a pressure bandage. The next concern is to prevent wound contamination which refers to cleaning the wound and applying a sterile bandage and possibly an antibiotic ointment. Lastly, immobilization of the injured part along with rest and if severe, medical intervention, are all wise procedures.

**The Mystery Of Sutures** — Many of us while growing up had to be sewn back together. My father, a small town GP who did it all put six in my leg and another six or seven in my chin all before the age of 12. If you were like me, you just wanted to get it over with and therefore could not have cared about details. In the following, I will give a general summary of what suturing encompasses. Hopefully, this will help to lift some of that curtain of mystery concerning this common procedure.

**THE SUTURE ITSELF:** The thread like material attached to a curved needle or used on a straight one is absorbable and used internally or nonabsorbable and used internally and externally as in holding skin together. Some of the materials used in the nonabsorb-

ables and that which we are concerned with are made from silk, cotton, nylon, dermal and stainless steel. One of the reasons for all of the different materials concerns tissue reaction to something foreign to the body even though it is serving a purpose. All the body knows is that there is a foreign substance within it that was not there before. The body can then react against this invader and you will get a tissue reaction. The reason stainless steel is popular in surgery by some surgeons is that of all the suture materials, it evokes the least tissue reaction.

Suture size is also important since different materials and weights of thread are matched to the task and tissue. Generally speaking, suture material should not be stronger than the tissues it is expected to hold together. Of all the sutures, those of silk or nylon are most widely used in



When a wound is not that deep, a skin closure like a Steri-Strip can be used. Here I am using tweezers to remove a skin closure from its sterile package.

holding skin together. The size is designated as 2-0 or 00, 3-0 or 000, etc. The smaller the number, the stronger the material. To hold skin together, a 000 or 0000 is generally used. Needles attached to the thread can either be straight or curved with those curved most commonly used in your doctor's office. With ones curved, a needle holder or hemostat is required to use it.

A friend of mine who is an orthopedic surgeon told me that he would recommend a straight needle for use in the outdoors to close the skin since a needle holder is not needed. When using a continuous suture with a straight needle, this would be the

quickest way to close a skin wound. If you are heading into remote areas and feel that you would like to know how to do this, I would recommend that you ask your family doctor for advice since he best knows you and would be the one to advise you on this. Yet, for most lacerations, a pressure dressing over the wound would be the preferred procedure until medical care would be available.

Another consideration your doctor will have to be careful about is that after skin has been sutured back together, edema or swelling of the tissues usually enters into the picture. If the suture was originally tight, with swelling, it will soon be too tight. Therefore, proper tension the first time the job was done is critical to good healing.

The purpose of suturing is to pull the tissue together just enough so that there will be no dead spaces below the skin where blood and fluid can accumulate. If there is, it will eventually be a breeding ground for an infection. In staying with how sutures are put in, it is also important that the same amount of tissue be included on each side of the suture. If the suture includes more tissue on one side than the other and/or the needle is inserted deeper on one side than the other, when tied together, the skin edges can overlap causing poor wound healing and/or a scar. All your doctor wants to do is to put the severed edges back like they were before the accident so that the body can complete the job of healing.

Because a medical emergency as a laceration can happen anywhere with the worst place being when medical care is not readily available, I would highly recommend a Red Cross first aid course. Once this is completed, I would then recommend that you take advanced courses and hopefully get certified as an Emergency Medical Technician. Also, if you go on outfitted back country hunts, one of the questions you should ask of the outfitter/guide is if he or she is certified in first aid. In the event that your guide would get injured, it would also be to everyone's advantage if you were qualified to help him.

A rule of good medicine is to do no harm to your patient. Therefore, take a first aid course and learn how to help yourself and if the situation presents itself, someone else. ●



ASG 0101

**North Franklin, Connecticut.** I am an American Indian/White teenager. I am just starting in survivalism. Any info on groups in my area, or help with survivalism is appreciated.

ASG 0102

**Pennsylvania.** Male. 29-year-old, ex-Marine. Weapons expert, hunter, trapper and farmer. Would like to correspond with individuals nationwide. Have many survival skills to share. Would like to hear from people in western PA about joining or forming a survival group.

ASG 0103

**Rogers, Arkansas.** I am 22, white male, with wife and a child. I'm concerned about gun control and the coming collapse. Interested in joining or forming a survival/paramilitary group which is willing to stand up and fight, not just cry, about our rights. All serious replies answered. Names and addresses held in strictest confidence. No gays, druggies or alcoholics.

ASG 0104

**Carson City, Nevada.** I am inexperienced and not that "tough." I have a very strong desire to reverse that! I'm looking to correspond and/or connect with low-profile commandos, not Rambos, for training in all areas of military/Naval SEALs/Special Forces type skills including guns, ammunitions, combat, tactics, self defense and general survival.

ASG 0105

**USA/World.** We are retired, middle-aged, homophobic, and of independent income. One in family was a USAF independent duty medical technician. Another was a USAF survival/avoidance training instructor. Have a 250 acre retreat in north Arkansas. Desire to build and expand a barter and travel network.

ASG 0106

**Guthrie, Oklahoma.** White male, 14, wants to make contacts around the state and nation. Looking for info on homemade explosives and hand-to-hand combat. Women are welcome. No gays, commies, druggies, racists or anti-Americans need write.

ASG 0107

**Northeast Wisconsin.** Contacts invited by individual with extensive training and experience in emergency medical service and electronics (2-way, ham, commercial radio and television operations engineering). Able communicator, negotiator, and teacher. Above average firearms skills. "Churches" and racial supremacist groups need not apply.

ASG 0108

**Rockies.** 39-year-old single male wishes to make contacts. Vietnam and Desert Storm vet will retire from military early 1993. Has plenty of weapons, gear, medical supplies, food stores, tools, etc. and a variety of skills and experience.

ASG 0109

**USA.** Seeking correspondence with individuals of any race, religion, age, and sex who wish to exchange information on various topics and who are concerned with keeping such information confidential. Also wishing to contact persons who are concerned with the current increase in anti-personal freedom laws and seek to take affirmative action against them.

ASG 0110

**Traverse City, Michigan.** Couple moving to Leelanau County late 1991/early 1992. Would like to meet other Christian couples or families to form support group with like ideas as appear in ASG. We have our own gear and are able to manage difficult times, but feel educated groups or small networks are important. Be serious if you reply. No fanatics, abusers or gays need write.

ASG 0111

**Camp Lejeune, North Carolina.** 19-year-old white female wishing to hear from those who believe that Judgement Day is not fiction. Ex-Special Forces and survivalists — I need your help. I need more information on automatic guns, pistols, rifles, and shotguns, explosives, tactical fighting and all terrain warfare. All letters will be graciously answered. Racists, gays, commies, druggies, weirdos, Rambos, facists and socialists don't waste the ink.

ASG 0112

**Northeast Kentucky.** Christian family of six wish to correspond with other survivalists, share information and make contacts to mutually help one another when the inevitable occurs. Ex-USAF with six years of being a street paramedic. If you believe in God, country and self reliance, then respond. No drugs, gays, nazis or communists. Men and women welcome.

ASG 0113

**Southwest/Arizona.** Male, professional, ex-military, serious Christian wishes to contact individuals and groups for training and information exchange. Low profile. Computer capable. All groups please respond. Tri-States Philosophy. All newsletters welcome. Patriots only. No gay, New Age, Islam or socialists.

ASG 0114

**Central New York.** Libertarian minded, low profile, WM survivalist wishes to network with and meet like-minded individuals and organizations nationwide. I believe in the preservation of our Bill of Rights and the U.S. Constitution which does not grant rights but recognizes rights and forbids government and all its associated bureaucracy's from infringing on them.

ASG 0115

**Swoyersville, Pennsylvania.** 19-year-old male seeks correspondence with survivalist groups or individuals. No gays, racists, criminals or radicals.

# SURVIVALIST DIRECTORY

**T**HIS IS A CONFIDENTIAL listing of survivalists who wish to become known to others of like mind. *American Survival Guide* will accept properly coded mail and forward it to the coded addresses without charge. *American Survival Guide* accepts no responsibility for the contents or results of these confidential communications. Mass mailings are not permitted.

ASG 0116

**Oxnard, California.** Two white males, one 13, the other 15. Just beginning in survivalism. General knowledge of firearms and minor weapons. Would like to exchange survival ideas and techniques. No gays, religious freaks, hippies or racists please.

ASG 0117

**Waco, Texas.** Serious white male, 20, seeks motivated survivalist and people for friendship and good training. Wish to hear from constitutionalists, male and female about my age or older. No gays, socialists, liberals, druggies or Rambos. All letters answered.

ASG 0118

**Eastern Kansas.** Survival oriented single white male, 30s. Looking to join or form a survival group. Extensive knowledge and skills in a broad range of survival related topics. "Knowledge is the primary weapon against ignorance." Primary training in EMT and related skills. If you are a racist, drug user or communist, don't waste my time or yours.

ASG 0119

**Northwest Kansas.** We would like to exchange information and ideas with other survivalists. We have several years experience in the survival field and would be interested in starting a group in this area.

ASG 0120

**Visalia, California.** Family man, 35, smart, sane and happy. Just starting survival preparations. I have skills, determination, guts and some resources. Looking for one or two couples of like mind in this area to form a small group and establish a retreat and plan for survival.

ASG 0121

**Adelaide, Australia.** 21-year-old male, seeking survivalist groups and training courses in Australia/New Zealand. Beginner interested in all aspects of survivalism.

ASG 0122

**Finland.** Scandinavian single male, 31, wishes to contact female freedom fighter, special operation person, or female law enforcement officer, top trained and experienced in counter-terrorism, undercover tasks, small arms, martial arts, etc. Would appreciate exchanging ideas and information. Strictest confidence and secrecy observed.

ASG 0123

**Crowley, Acadiana Area, Louisiana.** Hard core Second Amendment/Constitutionalist looking for like minded individuals to reactivate Partisan Militia Unit. Also wish to contact and network with other such groups, within or outside of area. No New-Agers or the other usual vermin need write.

ASG 0124

**Southwest Pennsylvania, Northern West Virginia.** I would like to contact others who are serious survivalists. All letters answered. You must believe in the U.S. Constitution and the American way of life. No age limit, male or female. No alcoholics, druggies, commies, nazis, etc.

ASG 0125

**Dallas, Texas.** Currently forming the alliance network. The network will link up both groups and lonewolves for exchange of information, camaraderie and the development of strong survival skills. If you are right wing, paramilitary or seeking safe contacts for when times get tough, gather your courage and contact us. If you are left wing, commie, gay, anti-gun, anti-patriot, you will not want to contact us.

ASG 0126

**Michigan, USA/Canada.** White male, 27, Roman Catholic, member of Live Free and N.S.A. Have FFL and surplus store. I am interested in military, guerrilla warfare, explosives and survival training. Looking for any established schools. Would like to contact any Christian Paramilitary/Foremen groups anywhere, especially any who fear Bush's New World Order.

ASG 0127

**Corpus Christi, Texas.** 14-year-old student looking to join a survival group in C.C. area. Interested in football, F.F.A., Boy Scouts, hunting, camping, firearms. Love Jesus, America, family. No neo-nazis, Rambos, gays, racists, liberals need apply.

ASG 0128

**Irvine, California.** I have recently subscribed to ASG. Would like to correspond with some of the survivalists reading this magazine.

ASG 0129

**Oakland, California.** Black male, 40, expert with small arms,

martial arts and street survival. Looking for people with professional and other skills to start a survival group in the East Bay Area and throughout California, and the States.

ASG 0130

**Michigan.** Organizing a constitutionist political party in this state to protect us from the welfare state. The politicians lied to us again, so what's new? What's new is that in 1992 we make the changes to protect our life, liberty, and property from the state.

ASG 0131

**Avon Park, Florida.** 42-year-old WM Vietnam vet with combat and EMT skills interested in joining a survivalist group in my area. Do not contact me if you belong to or believe in the following types: commie, gay rights, racists, satanists, junkie or New World Order. Will accept replies from groups or individuals that don't belong to these groups. Low profile a must.

ASG 0132

**Southern States.** Average middle class family seeks Christian survivalist contacts for exchange of ideas and information. We hope there are others of like mind in the South.

ASG 0133

**Azle, Texas.** All American patriot with Christian group has abilities in natural living. Military tactical defense, hand to hand combat, homemade weaponry. Christian virtues, moral and knowledge of Bible. Looking for like minded individuals, M/F, and families who are tired of society. Associated with Silver Eagle Network. Time is not on our side. Final destination known. God bless the true Americans.

ASG 0134

**Central Arkansas.** Need gal to join our semi-survival group for help, travel, in affluent atmosphere. Unusual opportunity. We have our act together.

ASG 0135

**New Mexico, USA.** Survivalist looking to start another survival network in central New Mexico. Experienced and knowledgeable, but rusty. Serious inquiries only.

ASG 0136

**Troy, Missouri.** I am looking for a low-profile survivalist group in my area.

ASG 0137

**New York.** Looking for Hispanic combat survival teacher who is willing to train and guide fellow beings. Serious and experienced only.

ASG 0138

**Alaska.** 31-year-old single white female, fine artist, seeks to relocate. Have splendid Alsatian. Extensively traveled, tri-lingual. Interested in organic farming, herbs, horses and schutzhunds. I also snow ski, sky dive, snorkel and sail. Wish new life to learn how to take care of myself under any circumstances. Please only honest, sincere replies from those with integrity.

ASG 0139

**USA.** 21-year-old white military man would like to correspond with anyone interested in homemade explosives. I have five years experience in explosives and four years in electronics. No gays. All others will receive a reply.

ASG 0140

**Calgary, Canada.** 28-year-old single white male, construction worker, into survivalism, nature, the occult, seeks open-minded female (any race) to live with, share my lifestyle and eventually enjoy secluded mountain life together. All serious letters answered.

**Address response letter as follows:**

**American Survival Guide**

ASG 0000 (Code Number, As Above)

2145 West La Palma Avenue

Anaheim, CA 92801

Your letters will be forwarded to persons listed within two days of receipt. *American Survival Guide* accepts no responsibility for results of these communications, or for loss or delay of letters. Contact letters that do not carry the appropriate code number will be discarded.

Those who wish to be added to the directory listing, please send names and addresses to *American Survival Guide*, 2145 West La Palma Avenue, Anaheim, CA 92801. The listing is free. ●



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## Food & Water

I am just getting into the survival end of living and I feel I have to be ready. I think I have a good start with food, shelter and medical supplies. But I was wondering if you could have more articles on natural foods, like the thistle article, the wild edible plants article and the "Muddy Waters" article which I have read in your magazine recently.

R. Kasp  
Reading, Pennsylvania

*We regularly do articles on subjects similar to what you have described and other aspects of food and water procurement and storage.*

## What Now?

I just heard about the mass murder in Killeen, Texas. A lunatic named George Hennard drives his Ford Ranger pickup truck into Luby's Cafeteria there and kills 23 people, wounding many others, with Glock and Ruger 9 mm handguns, extra magazines and about 100 rounds of ammo. This former merchant marine shouts something like, "Pay back time!! Is it worth it!! Is it worth it!!" He then begins shooting randomly into the surprised and panicked crowd. After a long day of honest work as an abused milk man, what do I hear about but a mass murder? The media claims it is the worst in U.S. history. I'm getting very tired of this nonsense. I own a few firearms that I fear will make me a criminal sometime in the future. I only use these firearms for target practice and when I need something for the freezer. I am a member of the National Rifle Association and have called all of my politicians to speak my mind. I even received letters back with stamped-on signatures. I like to believe that I am a 100 percent AMERICAN who doesn't drink, smoke or do drugs. I fear that my freedoms are going to be gone soon. One day I might have to wait 7 days to get a sling shot. I ask you and your readers, what now?

W.L.W.  
Troy, Alabama

## Rodney King

In "Mail Call" in the Sept. 1991 issue, a reader wrote about the Rodney King Beating. This reader from Stockton, California, seems to have his loyalties a little screwed up. First, Mr. King is a convicted felon. He is dangerous. He preys on people, shattering their lives. The police, on the other hand, protect

law abiding people. Second, rank and file police officers, like myself, welcome armed law abiding people. We do not fear them, and they do not fear us. We have something in common. We fear the likes of Mr. King, and we also dislike them. Perhaps if the man from Stockton would have met Mr. King in a dark alley or met one of his victims, he wouldn't be so quickly sickened by the beating. I've been an officer for a number of years. Many officers have been wounded and killed by the "Rodney" type. In fact I personally lost a good friend and fellow officer to a felon's bullet. I'm a member of the NRA, the Second Amendment Foundation and Law Enforcement Officers for the Preservation of the Second Amendment. I have made many calls to lawmakers. I've lost count of the letters written. I, like other rank and file officers, am pro-gun. It's the politicians who our friend from Stockton should fear.

Anonymous  
New York, New York

## Government Waste

I've never written a letter to a magazine before, but now it's time. As everybody has noticed now, the economy in this country is going to hell in a hand basket. The deficit is higher than ever, S&Ls and banks are continuously going belly-up while consumer prices are going just plain up! In the mean time, our great government continues to send billions of dollars to every Tom, Dick and Gorbey in other countries, the Congress people are bouncing checks and piling up thousands of dollars worth of food bills at the congressional restaurant and not being even remotely reprimanded for it. Just lately, it was reported that since 1986, the State of California alone, has seen layoffs of approximately 300,000 people just in the aerospace industry. In other states a major department store chain is closing 77 of 470+ stores and laying off 4,500 employees. But our economy is "turning around" and "the recession is over," we're being told. American people wake up and stop being treated like fools. I can't imagine that I'm the only one who believes that the time has come for a complete taxpayer revolt. If everyone in this country stopped paying taxes, maybe the

# MAIL CALL

politicians would try taking a bit more self responsibility. Maybe then there wouldn't be the insane bureaucratic waste because they would have to be more frugal with the revenues available to them. Maybe a tax revolt wasn't truly needed before, but, like my letter writing, NOW IT'S TIME!

Name Withheld  
New Orleans, Louisiana

## Toilet Paper

In the "Mail Call" section of the Oct. 1991 issue, William Collom inquires about the "problem of making useable toilet paper" in an emergency. Forget it. I have made paper from both papyrus and woodpulp. The problem is in getting the paper strong enough to be effective and thin enough to be useful. The labor involved in the procurement and processing of fibers would be prohibitive. Were someone to attempt to make toilet paper using woodpulp and primitive methods the result would probably be closer to a thick, stiff paper towel than to anything we are accustomed to. During most of history, as in poorer countries today, toilet paper did not exist. Toilets did not exist. The preferred method in the third world is to squat with the buttocks well below the knees. This position tends to spread the buttocks, allowing for clean separation of a solid, well formed stool. Should any clean up be necessary, this is either deferred until the whole body is washed as in swimming or the feces are cleaned off with the hand, which in turn is cleaned using either sand or water. The reality, when discussing toilet paper, is that it is not essential. Water, shelter, food are the only necessities for human survival. Everything else has a greater or lesser utility but is truly essential only when its absence will kill you. I rather doubt a death has ever been attributed directly to a lack of toilet paper. The survivalist mind which can get past the psychological dependence on toilet paper will have little difficulty imagining alternatives. The modern survivalist should master many skills. It is unlikely that in a survival situation making toilet paper would share the same urgency as providing food, water, shelter and security.

Dan Piggott  
Susanville, California ●



# Home Burglar Alarm Systems

(Continued from page 53)

an eye out for the finest of your belongings.

The second motion detector is mounted in the master bedroom. The master bedroom in this house as in most houses is the one room we really want protected. Master bedrooms stockpile cameras, guns, spare cash, jewelry, televisions, and VCRs. All of the above are exactly what the typical B&E artist is looking for.

Passive infrared motions have zones they monitor within their protective area. These zones spread out from the motions face like the ribs on a paper face fan. Imagine three or more fans with 50-foot-long ribs spread out to 50 feet wide at the wide end stacked on top of each other at different angles, each rib being a zone. When two consecutive zones sense motion of a heated body moving through them an alarm signal is generated.

One keypad is mounted in the master bedroom to facilitate using the alarm at night. Just as important, it has a built in panic button, medical emergency button, and fire button. If you hear someone breaking into your house in the middle of the night it is much nicer to be able to summon help without having to leave your relatively safe



Overweight alarm installers sometimes have trouble getting into corners to fish wires.

area. The second keypad is mounted near the exit door. This is the door that you use to leave and enter daily.

Door and window switches are next. We use concealed switches. Concealed switches are harder to compromise and also much more aesthetically appealing. Switch type and location are determined by the type of door and

where wires can be fished to. If you have ever tried to run wires inside a wall you already have a good idea where the phrase fishing for wires comes from. You drill a hole in the cellar and shove some wire up and go to the hole you want the wire to come out and then fish around for it. Common switches fit in a 3/8th round hole. Steel frame cellar windows need special attention.

One company has designed a device to protect these windows from being forced open or crawled through. A spring loaded rod, like a shower curtain rod for a bathtub, is cut to length and then pressed into the window frame. The tension of the rod holds a switch closed in normal conditions. Any pressure on the rod or attempt to remove it causes this diabolical wonder to jump off of the switch like a snake from a trick can of peanuts.

Next we install the siren speaker in the attic. The outside speaker is a trumpet type that is installed inside the attic louvre vent. This allows the noise to get outside but helps protect the speaker from weather and vandalism.

While in the attic we look to see if there is any equipment there that might cause a fire. If so, I should install heat detectors in the attic, which tie into the smoke detector zone. How many and what type of heats can be tricky. It's best to ask for layout and spacing help if you are doing a do-it-yourself job.

Now it's time to install the control panel. The control panel is installed in two parts. First we connect the wires where the instructions tell us to. Second we program the computer in the panel to tell it how and when to operate. When I sell an alarm package to a do-it-yourselfer or an electrician who only does an alarm installation as a side line, I always program the computer before it leaves my house. If you program your own alarm read the manual CAREFULLY. Programming tells the alarm where to call the central station and what to report when it does call. Each alarm zone calls in a unique signal as does the fire alarm, temperature sensor, panic button, medical emergency button, battery condition monitor, and about 10 other signals. All of these signals have to be defined so the central station receives the correct signal at the correct time.



Modern passive infrared motion detectors use sophisticated electronics to keep your alarm working trouble free.

We need to define the detection zones to respond to meet our needs. In this house the side door is used as the entry door. We'll define this as an exit/entry zone, which will give you a time delay to leave after you've set the alarm and also a delay to shut off the alarm when you come home. The other door zones and the cellar windows and bulkhead zones are all programmed as instant zones, which will set the alarm to whooping without any delay. The motions are programmed to be home/away. This tells the motion to shut off when you stay home and turn on the alarm but to work normally when you turn on the alarm and leave the house.

The last thing to do is sit down while I explain all about your new alarm and how to get the most out of it. Most people are at first intimidated by an alarm system and are full of questions of what can go wrong. I have found that the time it takes to carefully and fully explain what can and cannot happen is time well invested.

Many people reading this article are probably wondering why I go to all the trouble to run all those wires when there are wireless alarms around that seem to do everything that a wired alarm can do. It's true that wireless alarms are easier, by a lot, to install. I do not believe that they are as reliable or as trouble free. I have put in several wireless alarms in houses that couldn't be wired due to the way they were constructed. Every installation has given me trouble over the years. Every one. With the new technology coming out I am planing to try another one in the near future, as soon as I find a house that is unwireable. If the unit I'm looking at works well you'll be the first to know about it. I honestly think that wireless alarms will be the way to go in 5 to 10 years. My research shows that the wireless industry knows what the problems are and they are working full speed ahead to solve those problems. I personally hope I'm right. I'll be 47 years old and tired of crawling around in attics and cellars. ●



# Knowing How To Shoot

*A World War II concentration camp inmate's story of surviving attempts by the Nazis to exterminate him and other inmates by stealing guns and using them in self defense...*

The following interview was conducted with H.L. Cahn, an Israeli, through the mail by Aaron Zelman, executive director of Jews for the Preservation of Firearms Ownership (JPFO, 2872 So. Wentworth Ave., Milwaukee, WI 53207; 414-769-0760. Membership \$20 annually, open to Jews and non-Jews concerned with preserving the inalienable right to keep and bear arms). Cahn, an inmate in one of the Auschwitz concentration camps when his SS guards abandoned it as American troops advanced toward it near the end of World War II, managed to save himself and many other ailing inmates from Nazi extermination squads because he knew how to handle guns and had the will to use them in self defense. He has survived other wars in Israel and has had a lifelong interest in firearms. He is understandably highly critical of gun control efforts in America and Israel — The editors.

**Q.** What is your background in guns and how did you come to be an inmate in the camps?

**A.** I learned to shoot at age 6, passed through the stages of air rifles, .22 caliber, Schuetzen rifles to Mauser 98 and was well tutored in their operation.

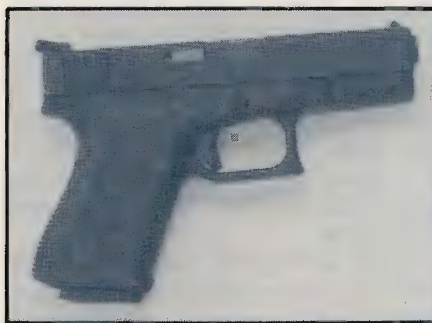
I was born in 1920. My family emigrated from Germany to Holland in 1932. We had the German nationality until canceled by the Nuremberg race laws, when we were declared Stabelen. By the way, the Germans considered us to be Dutch Jews and we wore the red and yellow star of David with a fat black "H" for Holland. Before the summer of 1942, Jews were deported from Holland only as personal punishment. Our family was called up on the very first transport from the South.

My parents were first deported to Theresienstadt, where my mother remained, surviving the war. When Theresienstadt became crowded, my father was transported to Auschwitz and there gassed on arrival.

I was arrested in August 1942 in Holland. I landed in one of the Auschwitz camps and was a survivor of the infamous evacuation under pressure of the Russian winter offensive in January 1945.

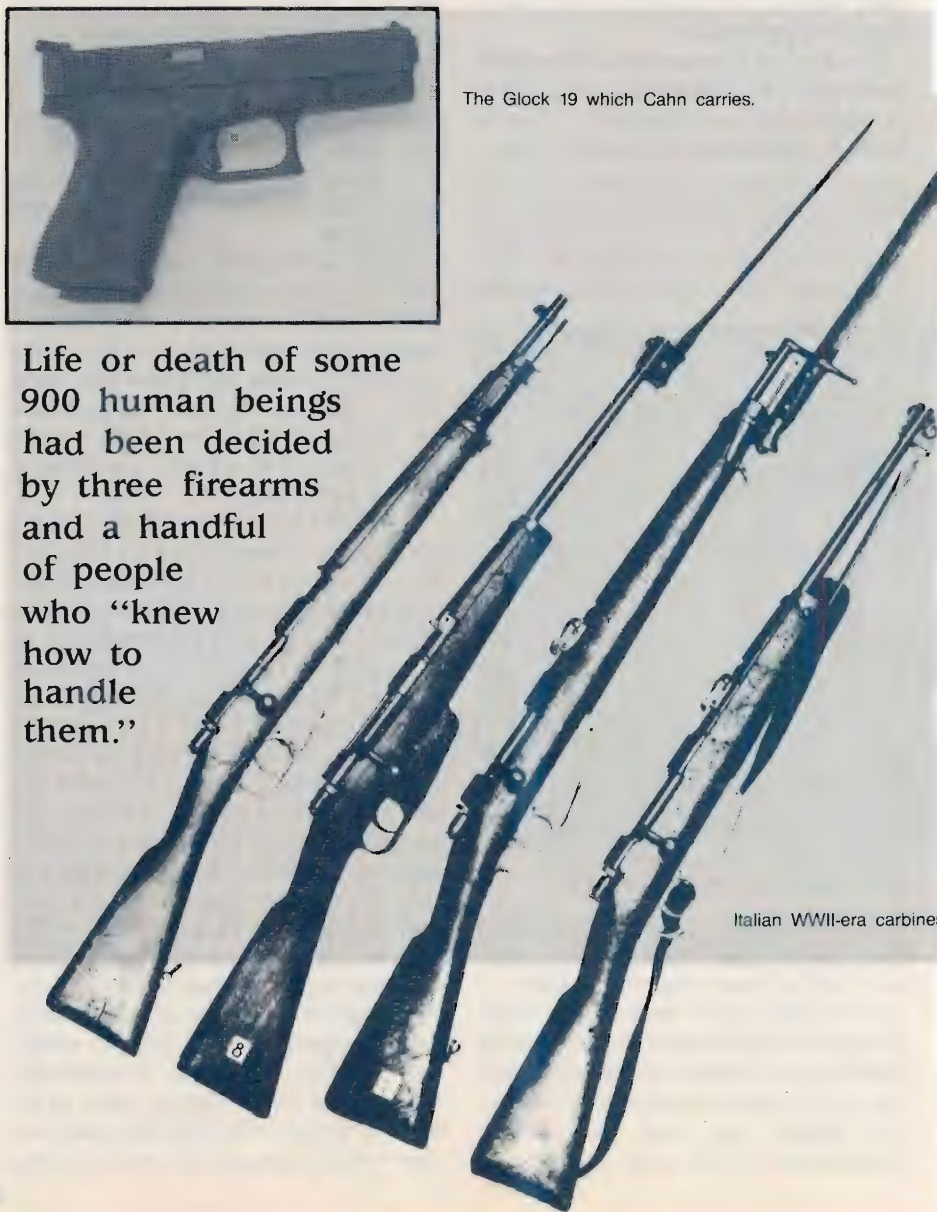
After my arrest in 1942 and a couple of months of hard work, insufficient food and clothing in a Polish winter, I felt the end approaching for myself. And then, one evening an SS sergeant appeared on the "Appellplats" and called that a man was required who could draw maps. There were three applicants and I was the only one who spoke German fluently. That partic-

ular job occupied me next morning from 8 to 11 a.m., but the SS found my presence so useful that they kept me busy until the evacuation of Auschwitz in January 1945. We were the first Jews to arrive in K. Z. Mittelbau or Dora near Nordhausen in Thuringia where we were put to work in an underground factory producing V-1 and V-2 missiles.



The Glock 19 which Cahn carries.

Life or death of some 900 human beings had been decided by three firearms and a handful of people who "knew how to handle them."



Italian WWII-era carbine





H. L. Cahn.

When this camp was to be evacuated in early April 1945, this time under pressure of the U.S. Army, I had the good fortune to be in the hospital and managed to fake sufficient weakness to be left behind. The 15,000 detainees, evacuated by the SS, drowned in the Baltic. Some 900 hospital patients stayed in the camp. After what I had witnessed on the way from Auschwitz, I was under no illusion that the Nazis would let us wait quietly for the liberation but rather expected imminent execution.

As soon as the SS were gone, I hastened to the armory, where I discovered hundreds of heavily damaged rifles of many types and thousands of rounds of ammunition. By a process of cannibalization, I managed to assemble three Carcano carbines and a couple of hundred rounds for each. Among the many ex-soldiers it was not difficult to find a number of volunteers prepared to try my plan of defense.

This "plan" was based on the topography of our camp, situated in a crater-like depression, accessible only by a single road from the heavily bombed Nordhausen. When two days later a number of armed characters approached on this road, we opened fire, and had the satisfaction to see some fall and others flee. In fact, by force of our arms, we remained alive—though weak and hungry—until after a week a U.S. Army patrol informed us that the Nazis were gone from that vicinity.

That the suspicious armed characters intended to murder our 900 sick and wounded was proved when U.S. forces discovered in the nearby camp

of Ollerich 90 corpses, all lying in hospital beds and all killed by the so-called "Genich-Schuss." Gasoline and paint had been poured over them and ignited, but a heavy rainstorm extinguished the flames.

Members of the "Volles Sturm" later testified that they had been ordered to execute all detainees remaining in Dora. They were, however, received at the gate by a storm of fire and had losses. Most important, the unfamiliar sound of the Italian rifles had given them the impression that our camp was already in Allied hands. Life or death of some 900 human beings had been decided by three firearms and a handful of people who "knew how to handle them."

Q. What message would you like to share with the American Jewish community on the issue of gun ownership?

A. A month's visit to the States recently gave me the impression that the land of the free is becoming less and less free, certainly in the area of firearms ownership.

How a victimized minority (practically everywhere in the whole world) like the Jews can object to have their natural weakness bolstered by firearms is beyond me. Look at Israel, where 4 million Jews had and have to use arms to first win independence and eventually, until this day, to just survive in a sea of hundreds of millions of enemies.

My advice to anyone, but particularly to all minorities is to consider firearms as an equalizer; as a protector of the few and the physically weak from the many and the strong.

Unfortunately, many Jews are prepared to die on other peoples' barricades. Those who feel like that, should hurry up, before they manage to infect the "normal" ones.

If the history of the U.S.A. in connection with firearms is not enough for them, perhaps the history of Israel or rather Palestine before the proclamation of the State will convince them that firearms give a chance to survive. Without them, one is as helpless as we were 50 years ago under Nazi rule.

Q. Do you still own guns? What kinds? Are you active in shooting?

A. After the murder of an unarmed Jewish engineer by Arab infiltrators in 1955 I obtained a license and bought my first pistol, a second-hand Walther P-38; it accompanied me in the Sinai campaign and the Six Day War. In late 1967 I transferred it to my older son who needed a weapon he could operate with one hand. I ordered a S&W 29

that I carried for years. Our stupid gun laws authorize the purchase of only 100 (yes, one hundred) rounds of center-fire ammo per year, but of 1,000 rounds of rimfire ammo. So, for keeping in training, I purchased a High-Standard Sentinel in .22 WMR.

When the .44 Mag became a bit too heavy I sold it and turned to the wonder-nines, first an Astra-80 and later a S&W 659. Early this year I sold it to a friend and purchased a Glock 19. That accompanies me whenever I leave the house. Wearing it in an inside-the-pants holster with a jacket or safari shirt, it is practically unnoticeable.

In 1955 the Army sent me on a scout sniper course. To keep in training afterwards I bought an Anschutz carbine, also in .22 WMR as well as an air pistol in .17.

After my discharge from the Army in 1975 I joined the Civilian Guard, an auxiliary police organization. In addition to the usual M1 Carbine, they gave me a modified Mauser 98k with telescope. For years I spent every Friday afternoon at a 1200 yards police range with this sniper rifle. Although I wore ear protectors I noticed that my hearing was getting much worse and shortly before my 70th birthday, the doctors warned me that continuous shooting would destroy my hearing completely in less than half a year. So, today, my guns are for a lot of defensive prevention and very little exercise.

Q. How do you urge others to learn the skill of shooting?

A. Guns should be at least as accessible and accepted socially as motor cars. As long as polite society places guns on a level with drugs and prostitution, only danger will induce the average citizen-civilian to buy them and carry them constantly, discuss them freely and to use them in case of desperate necessity.

People should be made aware that motor cars are much more dangerous tools than firearms. In Israel, it is a recognized fact that traffic accidents have killed and maimed more people than enemy action in our unending wars!

It looks to me that American gun owners are fighting a purely defensive rearguard action, that they keep withdrawing and that the Second Amendment is getting full of holes. Stop the defense and begin the counter-attack by the motto "No GUN control, but GUNNER control!" And, of course, long prison terms for those who abuse gun ownership. ●



# Filtering Home & Office Air

*And other uses of houseplants for health and survival...*

By Martin P. Waterman

*The author is a writer with a background in horticulture, science and history. He is a fruit grower, gardener and a fruit breeder specializing in improving existing varieties of grapes. His work has appeared in numerous publications — The editors.*

**W**HEN one is faced with the question of survival, some of the first concerns that come to mind are thoughts of food, clothing and shelter.

Any survivalist worth his salt can

standing that the air in our largest cities is harmful and reams of medical studies have verified that this big-city air pollution will no doubt take its toll in shortening our lifespans as well as contributing to a wide range of physical ailments.

But what most people don't realize is that this smog and dangerous air that abounds outside their home or office can be pristine in comparison to the air that exists inside their home environment. That is correct, you did

If you plant other survival type plants, you can have the additional benefits of maintaining a supply of survival commodities for use in medication, vitamins and even food — three commodities which are indeed valuable in survival planning as well as day-to-day living.

The reason we have such high levels of toxins in our home is well known and documented. During the oil shortages of the 1970s and with the uncertainty over energy prices and supply (*deja vu*), office and home building practices were dramatically altered to make buildings and houses more energy efficient. Even older buildings were converted to be airtight. Unfortunately, by keeping the heated or the air conditioned air inside, the result has been the trapping of an estimated 300 contaminants, many of which you may be breathing every day.

Most of these contaminants come from those synthetic building materials used in the construction and furnishing of buildings. This situation has been named "Sick Building Syndrome" because of the high number of people who are experiencing ailments such as headaches, respiratory irritation, fatigue, nausea and dizziness while at work in their office environments.

The National Aeronautics and Space Administration (NASA) has been leading the research into the filtering capabilities of houseplants at the John C. Stennis Space Center in Mississippi. NASA has been facing the same problems experienced by building dwellers with respect to a clean indoor environment in their space program. NASA needs to find ways to keep the air clean for their astronauts in confined spaces for extended periods of time.

**One of the greatest threats to our health and well being is not only the pollution in our external environment but pollution in our home environment.**

tell you how long a man can survive without adequate food, clothing, shelter and water. Unfortunately, many other aspects of survival such as preventive measures and health concerns are often neglected.

Until recently air quality has been taken for granted. In this world in which we live, we are slowly learning that with our modern civilization comes a high negative cost to our environment. One of the greatest threats to our health and well being is not only the pollution in our external environment but pollution in our home environment.

Most people have no difficulty under-

not read it wrong. The air in your house could be more harmful to you than regularly breathing the worst polluted air in some of our largest cities. And if you think that you are immune because you have a newer home you could actually be worse off!

Although the culprits in indoor air pollution have been known (albeit not overly publicized) for some time, scientific research is revealing what many have suspected for a long time: growing plants indoors is good for your health (assuming, of course, you are not allergic to them). The primary benefit appears to be their ability to filter deadly toxins from the air.

*(Continued on page 77)*





People in commercial buildings and malls are learning that in addition to plants making their indoor environment attractive, they are also making them healthier by filtering the air and combating "Sick Building Syndrome."

The popular "Cavendish" variety of banana is probably the best suited for indoor growing. It is a fast grower to 7 to 8 feet and will also filter your air as well as produce tasty fruit.



Many plants require direct sunlight. However, many of our common houseplants grow on the floors of jungles where very little light may filter through. There are many houseplants which will tolerate a great deal of shade.



Houseplants need not take up a lot of space or time. Some cacti need only be watered a few times per year.

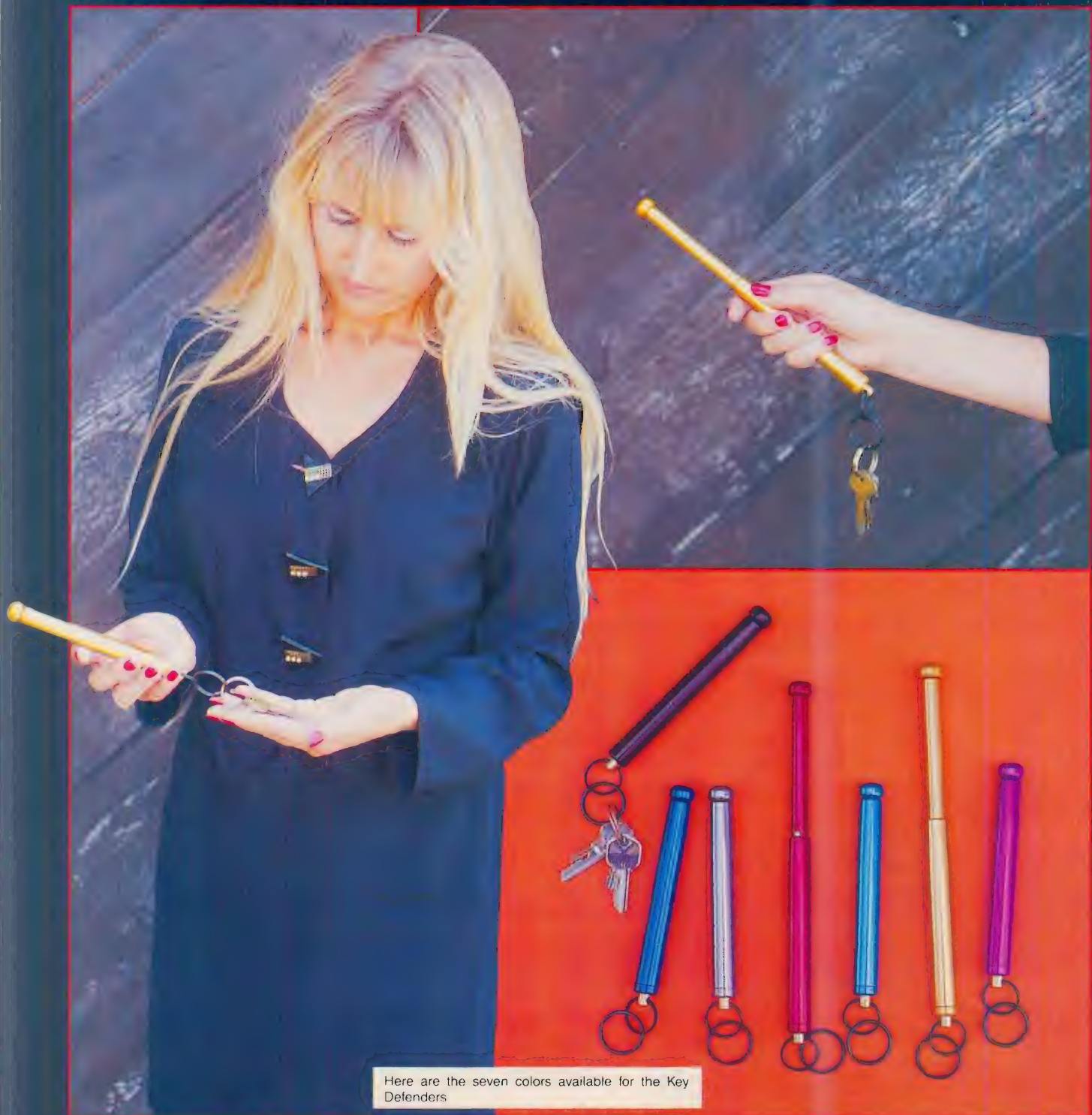


Cutlery Shoppe:

# Key Defenders

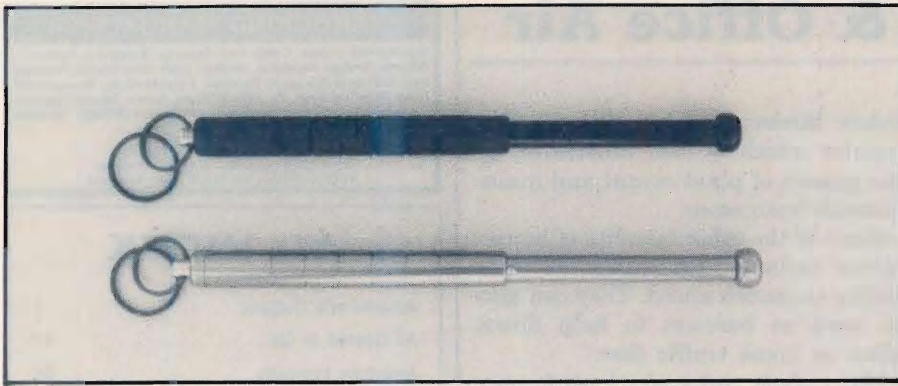
The Key Defenders are only 2.5 ounces and are compact and inconspicuous. They are about 5 inches long closed and snap open to 9 inches.

*Keys attached to these light, compact, collapsible batons provide an edge for self defense. . .*



Here are the seven colors available for the Key Defenders





The steel Persuader, above, and aluminum Key Defender, below.



One way of carrying the Key Defender. Pressing a button at the base of the rod which extends when opened will permit collapsing the baton.

### Staff Evaluation

**I**N the November issue we talked about the powerful, telescoping steel batons from Armament Systems and Procedures (ASP) designed for law enforcement applications and available from the Cutlery Shoppe.

The Cutlery Shoppe also offers for sale small versions of these taper locking collapsible batons for use as keychains which can be used as weapons if needed. These small 5-inch rods can be snapped open instantly to 9 inches in length.

They come with two large key rings attached to the non-opening end for attaching keys. They can be easily carried in a purse or pocket or tucked into a waistband or pocket with keys hanging out for quick retrieval.

Cutlery Shoppe originally had these keychain batons in black steel (weighing 5.7 ounces) or aluminum (weighing only 2.5 ounces). The steel model is known as the Persuader. The alu-

minum model is called the Defender. The aluminum keychain has a small button at the base of the rod that snaps out which can be pressed to collapse the baton. The steel model (\$18 plus \$5 shipping and handling) must be struck on a non-giving surface such as concrete to collapse.

The Cutlery Shoppe now offers the Defenders, called Key Defenders, in seven colors: black, violet, sapphire blue, ocean blue, ruby red, gold and pewter. Price is \$16.80 each plus \$5 shipping and handling.

We have received samples of the Key Defenders and the Persuader and find them very well made and sturdy as well as nicely finished. They are easy to handle and attractive yet inconspicuous and can be wielded as formidable weapons in a self-defense situation.

For more information or ordering contact the Cutlery Shoppe, Dept. ASG, 5461 Kendall Street, Boise, ID 83706-1248; or call 1-208-376-0430; for orders call toll free 1-800-231-1276; fax 1-208-376-7608. ●

## Filtering Home & Office Air

(Continued from page 74)

The results are preliminary but the research has already shown that all plants will filter the air to some degree. Some of the common toxins that the plants were successful in removing were Benzene, formaldehyde and trichloroethylene. Benzene is commonly used in such products as inks, paints, plastics and rubber. Trichloroethylene is used for dry cleaning, in inks, paints, lacquers and varnishes and formaldehyde is found in foam insulation, particle board, consumer paper products and glues. Formaldehyde is also found in cigarette smoke and in almost all heating and cooking fuels.

Certain glues, such as the kinds used when installing carpets can emit toxins for decades. In addition, synthetic materials such as plastics and the carpets themselves also continually emit toxins.

In the NASA studies, certain houseplants removed up to 90 percent of these dangerous toxins from the air. Some plants proved to be better at filtering certain pollutants than others so that a wide variety of plants may be needed to have maximum results. In addition to the plants filtering the air, it was found that the plant's roots and soil microbes also play an important part in filtering and cleaning the air. According to NASA, 15 to 20 plants should be adequate to clean the air in an area of 1,800 square feet. This would seem to be a very inexpensive way to keep the air quality in your home at safe levels.

**Selection** — If you plan on using houseplants, make sure that you choose ones that are low maintenance and do not require any spraying of harmful chemicals for pests and diseases. A good selection of different types of plants would also be advisable. The NASA study concentrated on just a few dozen common houseplants. Different houseplants remove different toxins at different rates. For instance, in a sealed chamber English Ivy (*Hedera helix*) removed 89.8 percent of the benzene during a 24-hour period while Chinese Evergreen (*Aglaonema modestum*) only removed 47.6 percent. Although English Ivy excelled in benzene removal, it finished near the bottom of the list for trichloroethylene removal by removing only 10.9 percent



# Filtering Home & Office Air

during a 24-hour exposure period in a sealed experimental chamber.

Even though these studies were done under ideal laboratory conditions, there is no reason not to expect a great deal of air filtering, especially if you increase the amount and variety of vegetation that you grow in your home.

Indoor air pollution also occurs by human respiration. In fact, there are over 100 volatile chemicals that man releases into the atmosphere just by breathing.

Besides their ability in combating indoor air pollution, plants also consume CO<sub>2</sub>, which has been blamed for such harmful trends as "Global Warming" or the "Greenhouse Effect." The plants convert this harmful CO<sub>2</sub> into oxygen that all living things require.

In addition to their value in providing clean air, there are many other ways in which houseplants can contribute to our well being. In the health care field, the restorative properties of plants and gardening have been known for some time. Hospitals and treatment centers have used horticultural therapy programs for more than a century to relieve a patient's distress through this constructive physical therapy. Growing, propagating, and tending houseplants has proven to provide relaxation and thus it helps alleviate stress.

An interesting study was done at Texas A&M University in which 120 students were subjected to a very stressful film about work accidents. The film was designed to induce stress as measured by such responses as muscle tension and blood pressure.

After this film, the same students were subjected to different films aimed at reducing stress. The students who were shown a film focusing on natural scenes recovered from the stress more quickly and completely than those who watched the other films about traffic and a shopping mall. Stress has also been implicated in a wide range of illnesses such as high blood pressure and ulcers as well as contributing to a number of other disorders.

Those who have walked into an office building (or home) with no plants often feel that there is something missing. The calming effects of plants can be used in many ways by providing color, texture, flowers and interesting "landscapes" which have become popular among interior decorators. In fact,

indoor landscaping has become very popular which is best illustrated by the growth of plant rental and maintenance businesses.

Some of the other benefits of houseplants include such things as their ability to absorb sound. They can also be used as barriers to help direct office or home traffic flow.

Many chefs and cooks have known for some time that some fresh herbs and spices can be grown in an indoor environment. Others have taken this practice a step further creating a sort of indoor edible landscaping. Certain fruit and vegetable plants not only provide beautiful foliage but they also produce fresh healthy food all while simultaneously filtering your air.

Probably one of the best things about using houseplants to filter your air is the low cost required. Many of the most popular houseplants can be started by seeds or with cuttings. They can also be purchased at a fraction of their cost by purchasing them when they are still small. Many are regularly sold in the 2-inch pot stage and some of these will grow into large plants or trees with a minimum amount of care.

Three excellent sources for seeds and information include: J.L. Hudson, Seedsman (P.O. Box 1058, Redwood City, California, 94064). Their prices are reasonable and they feature all kinds of rare and interesting seeds from the four corners of the world that can fulfil almost any purpose imaginable.

Thompson & Morgan (P.O. Box 1308, Jackson, New Jersey, 08527) is in its 136th year of providing interesting and unusual seeds. All their selections are coded so that the reader will know such things as if they are hard or easy to grow and the recommended use.

*Houseplant Forum* is a magazine that bills itself as the Houseplant Lover's Magazine. It is available from Horticom Inc., P.O. Box 128, Raddison, Wisconsin, 54867-0128 for \$12 per year (6 issues) or \$22 for two years (12 issues). The magazine covers all aspects of houseplants and subscribers can use their seed bank to withdraw seed that they wish to try or deposit some of their own seeds for others to try.

Survivalists have always relied on the land to provide them with vitamins, nutrition, medicine and good health. In these modern times, now we can do it indoors. ●

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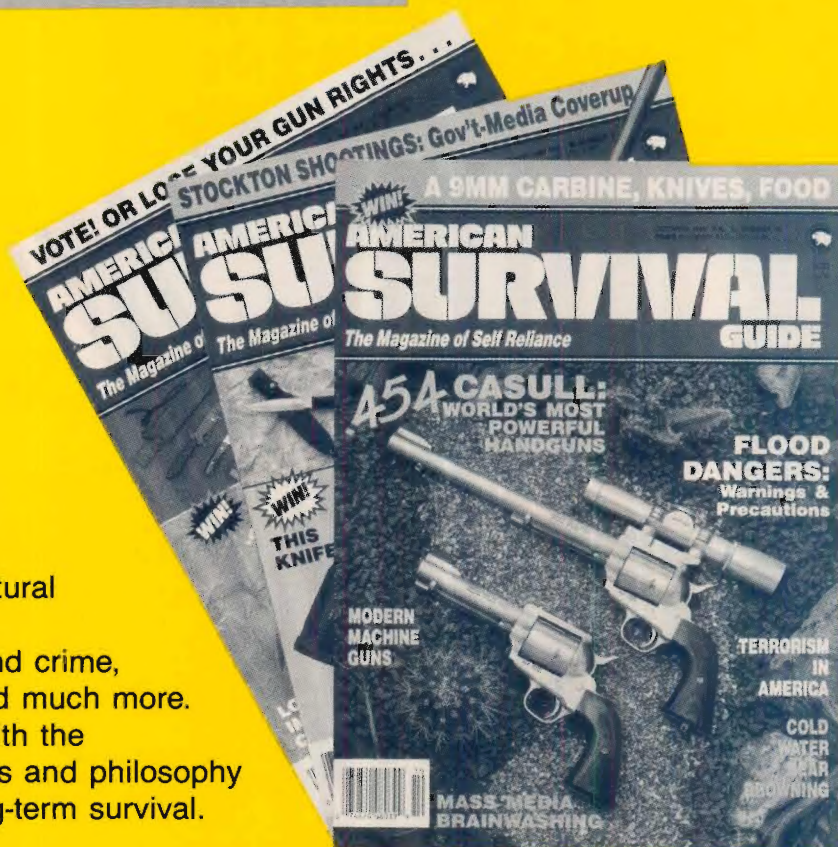
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